STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING FORM 3 AMENDED REPORT									
APPLICATION FOR PERMIT TO DRILL					1. WELL NAME and NUMBER Coleman Tribal 7-8-4-2E				
2. TYPE OF WORK DRILL NEW WELL (REENTER P&A WELL) DEEPEN WELL (3. FIELD OR WILD	OCAT WILDCAT				
4. TYPE OF WELL Oil We	ell Coalbe	ed Methane Well: NO				5. UNIT or COMM	UNITIZATION AGRE	EMENT NAME	
6. NAME OF OPERATOR		EAM HOLDINGS LLC				7. OPERATOR PHO	ONE 720 420-3235		
8. ADDRESS OF OPERATOR 1875 La	wrence St Ste 20	00, Denver, CO, 80202				9. OPERATOR E-M	AIL arrison@uteenergy.co	m	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) EDA 14-20-H62-6288		11. MINERAL OWNE	ERSHIP DIAN STATE	FEE(0	12. SURFACE OW			
13. NAME OF SURFACE OWNER (if box 12	= 'fee') Coleman E	Bros. LTD				14. SURFACE OWI	NER PHONE (if box 435-654-1666	12 = 'fee')	
15. ADDRESS OF SURFACE OWNER (if box						16. SURFACE OWI	NER E-MAIL (if box	12 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME	J9J L. Cente	18. INTEND TO COM		TION FROM	1	19. SLANT			
(if box 12 = 'INDIAN')		YES (Submit C	IONS Commingling Applica	tion) NO (0	VERTICAL DIRECTIONAL HORIZONTAL			
20. LOCATION OF WELL	FO	OTAGES	QTR-QTR	SECTI	ON	TOWNSHIP	RANGE	MERIDIAN	
LOCATION AT SURFACE	1941 FI	NL 1987 FEL	SWNE	8		4.0 S	2.0 E	U	
Top of Uppermost Producing Zone	1941 FI	NL 1987 FEL	SWNE	8		4.0 S	2.0 E	U	
At Total Depth	1941 FI	NL 1987 FEL	SWNE	8		4.0 S	2.0 E	U	
21. COUNTY UINTAH		22. DISTANCE TO N	EAREST LEASE LI 1941	T LEASE LINE (Feet) 23. NUMBER OF ACRES IN DRILLING UNIT 40					
		25. DISTANCE TO N (Applied For Drilling		SAME POOL	-	26. PROPOSED DEPTH MD: 7588 TVD: 7588			
27. ELEVATION - GROUND LEVEL		28. BOND NUMBER	6076300004 CD			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 438496			
5104			687C300004-CD	0004-CD 436490					
		A ⁻	TTACHMENTS						
VERIFY THE FOLLOWING	ARE ATTACH	ED IN ACCORDAN	CE WITH THE U	ITAH OIL	AND (GAS CONSERVAT	TON GENERAL R	ULES	
WELL PLAT OR MAP PREPARED BY	LICENSED SUR	VEYOR OR ENGINEE	R COI						
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGRE	EMENT (IF FEE SURF	FACE) FOR	FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
DIRECTIONAL SURVEY PLAN (IF DI	RECTIONALLY	OR HORIZONTALLY	г тор	TOPOGRAPHICAL MAP					
NAME Rachel Garrison		TITLE Regulatory Manager			PHONE 720 420-3235				
SIGNATURE		DATE 01/21/2011			EMAI	(L rgarrison@uteene	rgy.com		
API NUMBER ASSIGNED 43047514960000		APPROVAL		,	Bre	00.64ill			
Peri			rmit Manager						

API Well No: 43047514960000 Received: 1/21/2011

	Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)			
Prod	7.875	5.5	0	7588			
Pipe	Grade	Length	Weight				
	Grade J-55 LT&C	7588	15.5				

API Well No: 43047514960000 Received: 1/21/2011

	Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)			
Surf	12.25	8.625	0	350			
Pipe	Grade	Length	Weight				
	Grade J-55 ST&C	350	24.0				

API Well Number: 43047514960000

Ute Energy Upstream Holdings LLC

Coleman Tribal 7-8-4-2E SW/NE Section 8, T4S, R2E

SHL and BHL: 1941' FNL & 1987' FEL

Uintah County, Utah

DRILLING PLAN

1-2. Geologic Surface Formation and Estimated Tops of Important Geologic Markers

Formation	Depth - MD
Uinta	Surface
Green River	3,870
Douglas Creek	6,127
Black Shale	6,623
Castle Peak	6,803
Wasatch	7,288
TD	7,588

3. Estimated Depths of Anticipated Water, Oil, Gas Or Minerals

Green River Formation (Oil) 3,870′ – 7,288′

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All usable (>10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected.

All water shows and water bearing geologic units will be reported to the geologic and engineering staff of the BLM Vernal Field Office prior to running the next string of casing or before plugging orders are requested. Usage of the State of Utah from *Report of Water Encountered* is acceptable, but not required. All water shows must be reported within one (1) business day after being encountered. Detected water flows shall be sampled, analyzed, and reported to the geologic and engineering staff at the Vernal Field Office. The BLM may request additional water samples for further analysis.

The following information is requested for water shows and samples where applicable:

Location & Sample Interval

Flow Rate

Hardness

Water Classification (State of Utah)

Dissolved Iron (Fe) (ug/l)

Dissolved Magnesium (Mg) (mg/l)

Dissolved Bicarbonate (NaHCO₃) (mg/l)

Dissolved Sulfate (SO₄) (mg/l)

Dissolved Total Solids (TDS) (mg/l)

4. Proposed Casing & Cementing Program

Casing Design:

Size Interval Weig		Interval	Waight	Weight Grade		Design Factors		
	weight	Grade	Coupling	Burst	Collapse	Tension		
Surface casing						2,950	1,370	244,000
8-5/8"	0'	350'	24.0	J-55	STC			
Hole Size 12-1/4"						15.02	12.30	29.05
Prod casing						4,810	4,040	217,000
5-1/2"	0'	7,588'	15.5	J-55	LTC			
Hole Size 7-7/8"						1.99	1.67	1.85

Assumptions:

- 1. Surface casing max anticipated surface pressure (MASP) = Frac gradient gas gradient
- 2. Production casing MASP (production mode) = Pore pressure gas gradient
- 3. All collapse calculations assume fully evacuated casing w/gas gradient
- 4. All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
Pore pressure at surface casing shoe = 8.33 ppg
Pore pressure at prod casing shoe = 8.33 ppg
Gas gradient = 0.115 psi/ft

Safety Factors:

Burst = 1.100 Collapse = 1.125 Tension = 1.800

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

Cementing Design:

Job	Fill	Description	Sacks	ОН	Weight	Yield
JOD	Job Fill Description		ft ³	Excess*	(ppg)	(ft ³ /sk)
Surface casing	350'	Class G w/ 2% CaCl	123	15%	15.8	1.17
Surface casing	330	class d w/ 270 caci	144	1370		1.17
Prod casing	4,897′	Prem Lite II w/ 10% gel + 3% KCl	260	15%	11.0	3.26
Lead	4,637	Frem Lite ii W/ 10% gei + 3% KCi	849			3.20
Prod casing	2 244!	50/50 Dan/ 30/ and 1. 30/ MOI	327	450/	14.3	1.24
Tail	2,341'	50/50 Poz w/ 2% gel + 3% KCl	406	15%		1.24

^{*}Actual volume pumped will be 15% over the caliper log

⁻ Compressive strength of tail cement: 500 psi @ 72 hours

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive strength shall be a minimum of 500 psi prior to drilling out.

The Vernal BLM office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable pre-flush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displace ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 3160-5, "Sundry Notices and Reports on Wells" shall be filed with the Vernal Office Manager within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated of the top of the cement behind the casing, depth of the cementing tools used, casing method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. Drilling Fluids Program

From surface to ± 350 feet will be drilled with air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the wellbore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water will be on stand-by to be used as kill fluid, if necessary.

From ±350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive; the reserve pit will be lined to address this additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If it is necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating characteristics of a hazardous waste will not be used in drilling, testing, or completion operations.

Ute Energy will visually monitor pit levels and flow from the well during drilling operations.

6. Minimum Specifications for Pressure Control

The operator's minimum specifications for pressure control equipment are as follows:

A Schematic Diagram of 3,000 PSI BOP Stack is included with this drilling plan. A Double Ram Blow Out Preventer (BOP) with a hydraulic closing, plus either an Annular Bag type BOP or a Rotating BOP will be used on this well.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system, and individual components shall be operable as designated.

A Function Test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Driller's Report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to BLM representatives upon request.

7. <u>Auxiliary Safety Equipment</u>

Auxiliary safety equipment will be a Kelly cock, bit float, and a TIW valve with drill pipe threads.

8. <u>Testing, Logging and Coring Programs</u>

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300′ +/-, and a Compensated Neutron-Formation Density Log from TD to 3500′ +/-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. <u>Anticipated Abnormal Pressures or Temperature</u>

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous wells drilled to similar depths in this area.

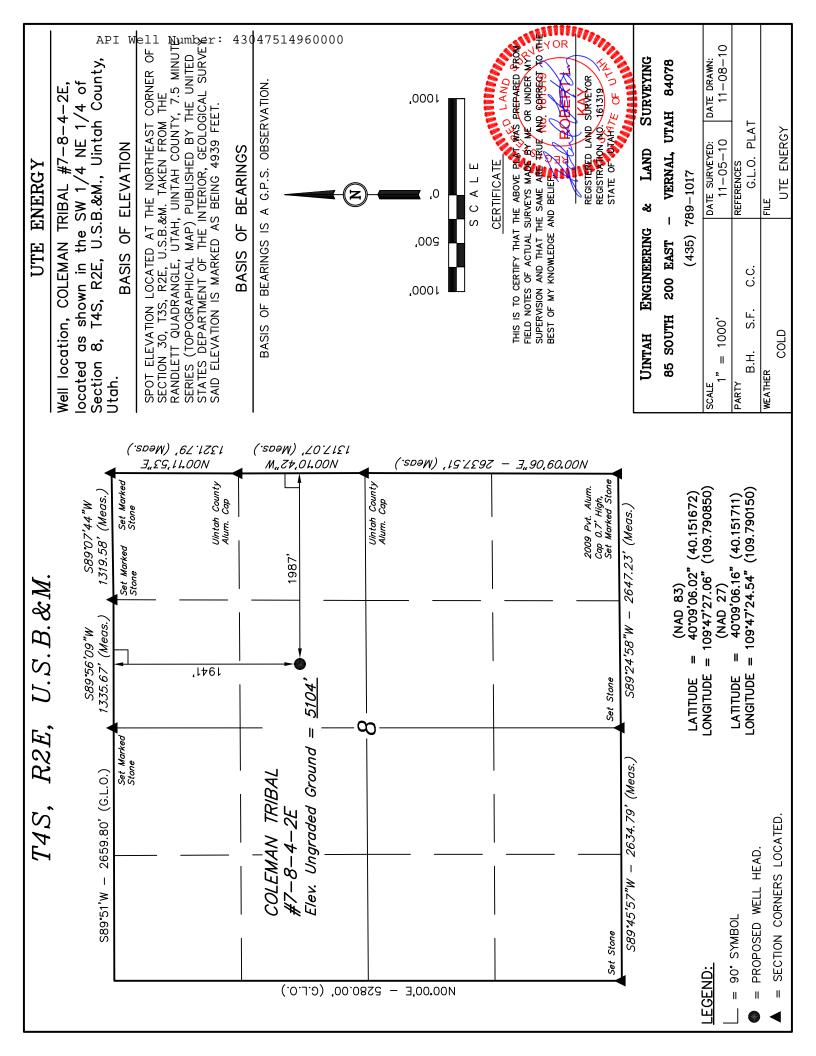
Maximum anticipated bottomhole pressure will be approximately equal to total depth in feet multiplied by a 0.433 psi/foot gradient, and a maximum anticipated surface pressure will be approximately equal to the bottomhole pressure calculated minus the pressure of a partially evacuated hole calculated at a 0.22 psi/foot gradient.

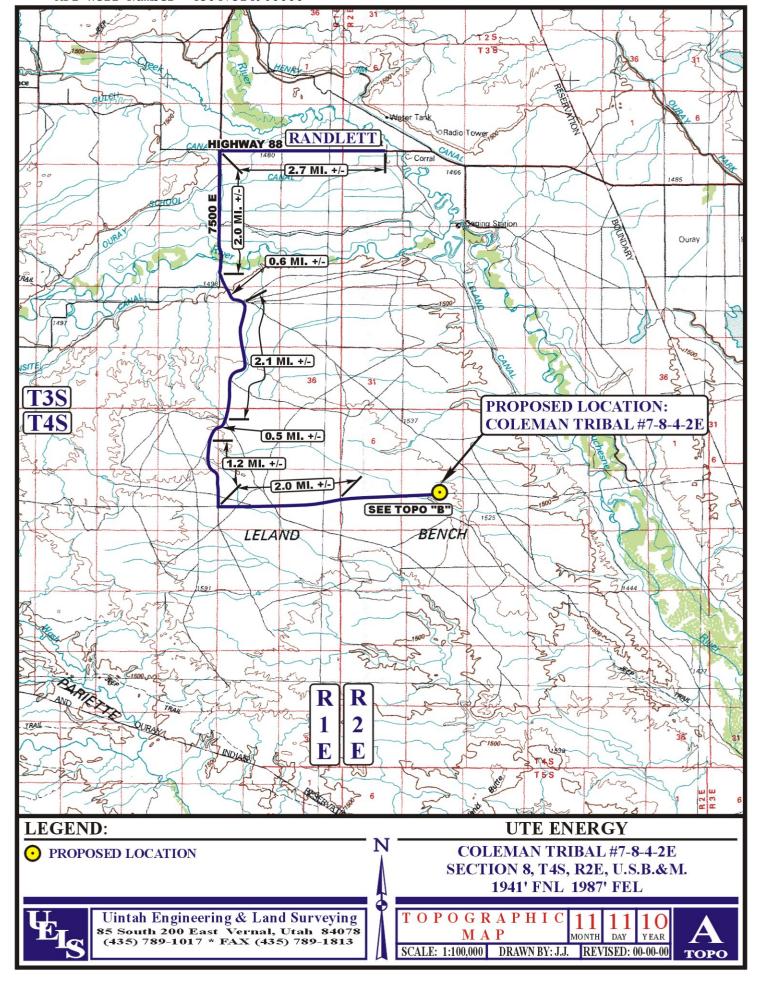
10. <u>Location and Type of Water Supply</u>

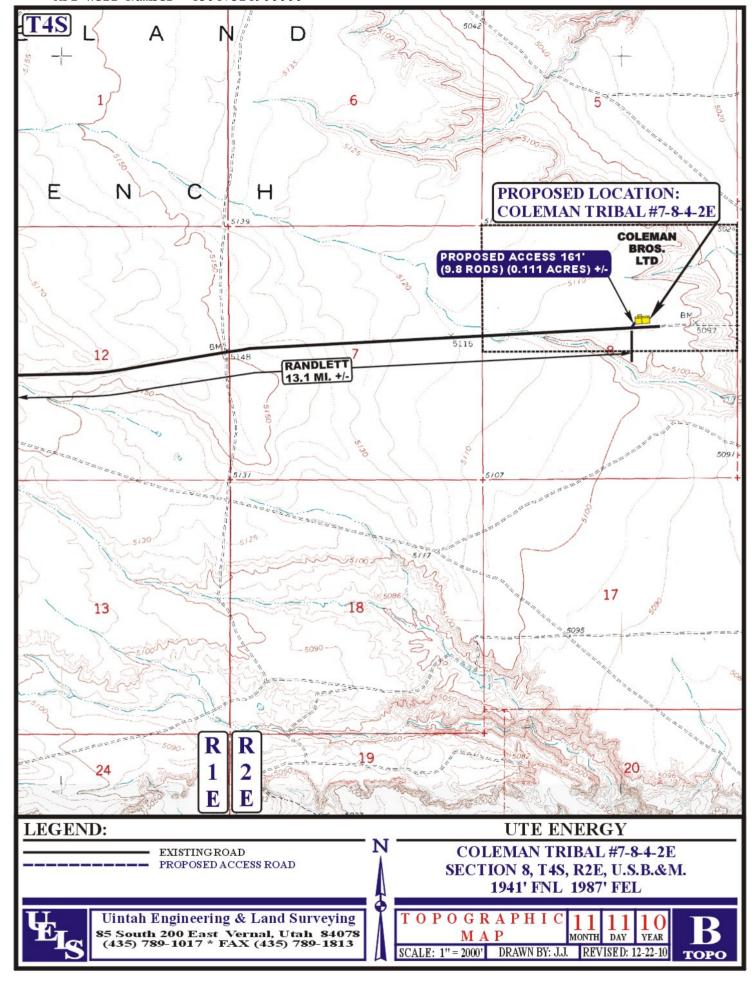
Water for the drilling and completion of this well (approximately one acre feet) will be trucked from the Ouray Blue Tanks Water Well in Section 32, T4S, R3E (Water Permit # 43-8496).

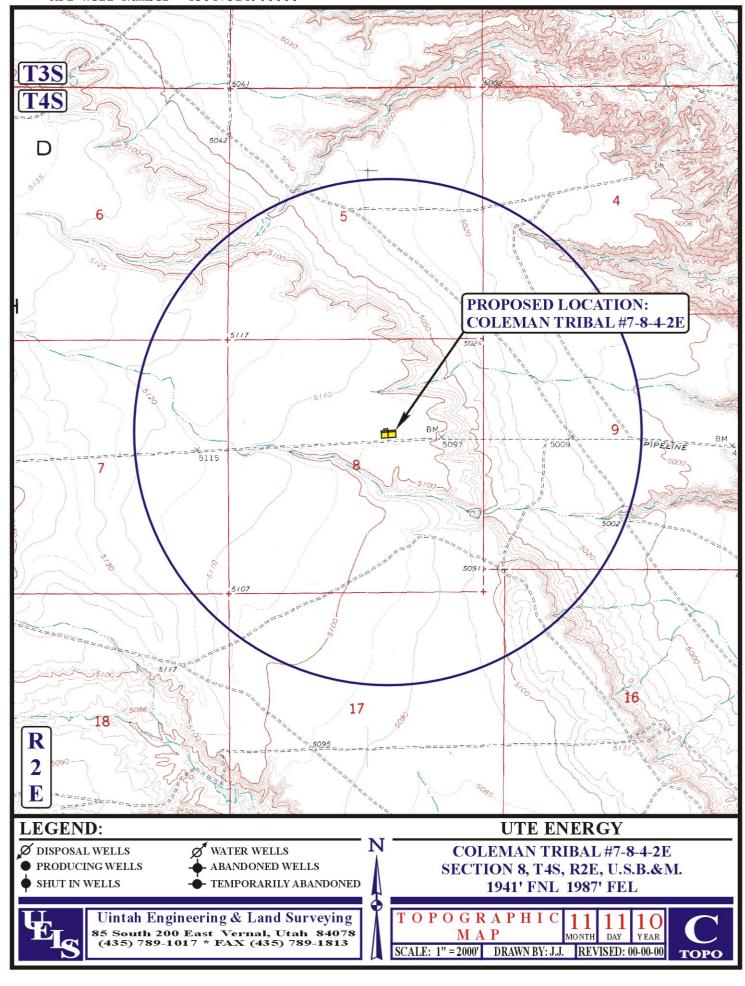
11. <u>Anticipated Starting Date and Duration of Operations</u>

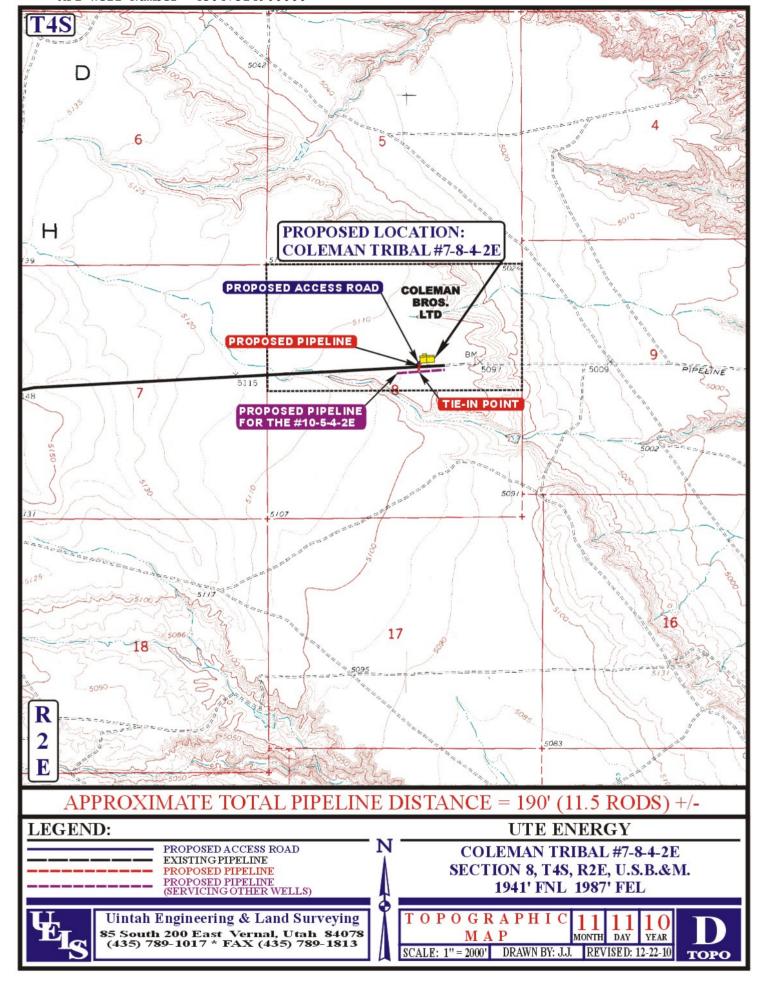
It is anticipated that drilling operations will commence in April, 2011, and take approximately seven (7) days from spud to rig release and two weeks for completions.











Entry 2011000074

Book 1219 Page 262 \$11.00
04-JAN-11 10:44

RANDY SIMMONS

RECORDER, UINTAH COUNTY, UTAH
UTE ENERGY LLC ATTN FELICIA GATES-M

MEMORANDUM of SURFACE USE A GREEN TO DUCHESNE, UT 84026 Rec by: HEATHER COON , DEPUTY

Entry 2011000074

Todd Kalstrom is the Vice President of Land for Ute Energy LLC and Ute Energy Upstream Page 262 Holdings LLC, authorized to do business in Utah (hereinafter referred to as "Ute Energy"). Ute Energy owns, operates and manages oil and gas interests In Uintah and Duchesne Counties, Utah.

WHEREAS, a Surface Use Agreement and Grant of Easements ("Agreement") has been entered into effective the 25th day of October, 2010, by and between Coleman Bros. LTD, whose address is c/o Joseph Coleman, 393 E. Center Street, Heber City, UT 84032 ("Owner") and Ute Energy, whose address is 1875 Lawrence Street, Suite 200, Denver, CO 80202.

WHEREAS, Owner owns the surface estate of the real property in Uintah County, Utah (the "Property"), legally described as:

Township 4 South, Range 2 East, USM

Section 7: N/2 Section 8: N/2

WHEREAS, For an agreed upon monetary consideration, Ute Energy may construct the necessary well site pads for drilling, completion, re-completion, reworking, re-entry, production, maintenance and operation of wells ("Well Pads") on the Property consistent with this Agreement. Ute Energy, its agents, employees, assigns, contractors and subcontractors, may enter upon and use the Well Pads for the purposes of drilling, completing, producing, maintaining, and operating Wells to produce oil, gas and associated hydrocarbons produced from the Property, including the construction and use of frac pits, tank batteries, water disposal pits, production equipment, compressor sites and other facilities used to produce and market the oil, gas and associated hydrocarbons.

WHEREAS, Owner grants to Ute Energy an exclusive access easement ("Road Easement") on the Property for ingress and egress by Ute Energy and its employees, contractors, sub-contractors, agents, and business invitees as needed to conduct oil and gas operations as described in this Agreement.

WHEREAS, the Surface Use Agreement and Grant of Easements shall run with the land and be binding upon and inure to the benefit of the parties and their respective heirs, successors and assigns.

THERFORE, Ute Energy is granted access to the surface estate and the Agreement constitutes a valid and binding surface use agreement as required under Utah Admin. Code Rule R649-3-34(7).

This Memorandum is executed this 21st day of December, 2010.

Todd Kalstrom

Vice President of Land

STATE OF COLORADO)

} ss

COUNTY OF DENVER)

The foregoing instrument was acknowledged before me by Todd Kalstrom, Vice President of Land for Ute Energy LLC and Ute Energy Upstream Holdings LLC this 21st day of December, 2010.

Notary Seal:

My Commission expires:

Sociember 15 2014

KARI QUARLES
NOTARY PUBLIC, STATE OF COLORADO

Notary Public

My Comm. Expires September 15, 2014



API Well Number: 43047514960000

Ute Energy Upstream Holdings LLC

Coleman Tribal 7-8-4-2E SW/NE Section 8, T4S, R2E SHL and BHL: 1941' FNL & 1987' FEL Uintah County, Utah

SURFACE USE PLAN

The well site, proposed access road and surface pipeline corridor will be located entirely on private surface (Coleman Bros. LTD) and Tribal minerals. An onsite was conducted on Tuesday, December 14, 2010. The following were in attendance: Chuck MacDonald and Aaron Roe (BLM Vernal Field Office), Floyd Bartlett (Utah DOGM), Cody Rich (Uintah Engineering & Land Surveying), Don Hamilton (Buys & Associates, Inc.), Allan Smith of Deep Creek Investments (on behalf of absent Coleman surface owner), Rachel Garrison, Mike Maser, and Cameron Cuch (Ute Energy), Bobby Chapoose (Bear Paw Construction), and Terry Hogan (LaRose Construction).

1. Existing Roads

The proposed well site is located approximately five miles south of Randlett, Utah. Maps and directions reflecting the route to the proposed well site is included (see Topographic maps A and B).

The dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area and range from clays to a sandy-clay shale material. The existing road in Section 8 that provides access to this well site was recently upgraded to an 18' road with 3-inch minus gravel and drainage ditches on both sides of the road. Therefore, Ute Energy anticipates no further road improvements to the existing roads for this well site.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. <u>Planned Access Road</u>

Approximately 161' of new construction disturbance, with a ROW width of 30 feet, will be required for the construction of an access road to the Coleman Tribal 7-8-4-2E, all on private surface. See attached Topographic map B.

The proposed access road will be crowned, ditched, and constructed with an 18' running surface (9' either side of the centerline). Surfacing material (3-inch minus) will be applied to the access road.

No turnouts, culverts, gates or cattle guards are anticipated in the construction of this road.

All construction material for this access road will be borrowed material accumulated during the construction of the access road.

Surface disturbance and vehicular travel will be limited to the approved location access road.

3. Location of Existing Wells

Refer to Topographic map C for the location and type of existing wells within a one-mile radius of the proposed well site.

4. Location of Existing and/or Proposed Facilities

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well with limited to no gas production.

Surface facilities will be located on a proposed 350' x 150' pad. Facilities will consist of a wellhead, separator, gas meter, (1) 400 gal methanol tank, (1) 400 glycol tank, (2) 400 bbl oil tanks, (1) 400 bbl water tank, (1) 400 bbl test tank, (1) 1000 gal propane tank (only if needed), a pumping unit with natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump.

All wells will be fitted with a pump jack to assist with liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks would be a small (60 horsepower or less), natural gas-fired internal combustion engine.

The tank battery will be surrounded by a secondary containment berm of sufficient capacity to contain 1.5 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves will be placed inside the berm surrounding the tank battery or will utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement will conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.

All permanent (on site for six (6) months or longer) above-ground structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

If gas production is greater than amounts that can be utilized on location for heating of tanks or equipment operation, or flared under the provisions of Section III. Authorized Venting and Flaring of Gas (NTL-4A), Ute Energy proposes a polyethylene gas pipeline on the surface to transport gas to a connection with Newfield in Section 12 of T4S, R1E.

Approximately 190' (see Topographic map D) of pipeline corridor, containing up to an 8" diameter polyethylene gas pipeline, is proposed to tie the Coleman Tribal 7-8-4-2E into the line for the Ute Tribal 10-5-4-2E which will connect to the Newfield gathering system. The new pipeline would be a surface laid line within a 30 foot wide pipeline corridor, adjacent to the proposed access road corridor.

5. <u>Location and Type of Water Supply</u>

No water supply pipelines will be laid for this well.

Water for the drilling and completion of this well will be transported by truck from the following water sources:

Primary source – Ouray Blue Tanks Water Well in Section 32, T4S, R3E Water Right: 43-8496

S. Ouray Water Plant Water Well in Section 9 of T8S, R20E

Water Right: 49-1645

Ouray Frog Pond – Green River in Section 33 of T8S, R20E

Water Right: 49-2320

Ouray Silver Tanks - Green River in Section 33 of T8S, R20E

Water Right: 49-2320

Water use will vary in accordance with the formations to be drilled, but is expected to be approximately one acre foot for drilling and completions operations in the Green River Formation.

No water well is proposed for this location.

6. Source of Construction Materials

All construction materials for this location shall be borrowed material accumulated during construction of the location site and access road.

If any additional gravel is required, it will be obtained from a local supplier having a permitted source of materials within the general area.

7. <u>Methods of Handling Waste Disposal</u>

A small reserve pit (80' x 40' x 8' deep) will be constructed from native soil and clay materials to handle the drilling fluids. The reserve pit will receive the processed drill cuttings (wet sand, shale and rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in the pit. The reserve pit will be lined with a 12 mil (minimum) thickness polyethylene reinforced liner. This liner will be underlain by a felt sub-liner if rock is encountered during excavation. A minimum of two feet of free board will be maintained between the maximum fluid level and the top of the reserve pit at all times.

Immediately upon first production, all produced water will be confined to a steel test tank on location. The produced water will then be transported by truck to a State of Utah approved disposal facility near Ute Energy's operations (ACE, Wonsit, Bluebell, Chapita, Glen Bench, or Seep Ridge).

Portable self-contained chemical toilets will be used for human waste disposal. As required, the toilet holdings will be pumped and the contents thereof disposed of in an approved sewage disposal facility.

Garbage and non-flammable solid waste materials will be contained in a portable trash cage. No trash will be placed in the reserve pit. As needed, the accumulated trash will be hauled off to an authorized disposal site. No potentially adverse materials or substances will be left on location.

Ute Energy Upstream Holdings LLC guarantees that no chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing or completing of this well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing of completing of this well.

8. Ancillary Facilities

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. Well Site Layout

The well would be properly identified in accordance with 43 CFR 3162.6.

The pad layout, cross section diagrams and rig layout are included with this application (see Figures 1-3).

The pad has been staked at its maximum size of 300' x 150' with an outboard reserve pit of 80' x 40' x 8' deep, and a small outboard flare pit.

To meet fencing requirements for the reserve pit, Ute Energy proposes to install a feedlot (typically used for livestock) steel panel fencing system. The panels are 12' long x 4' high and employ 5" posts on 8' centers. The panels use a latching system to connect the joints together, including the corner posts. The corner posts will be installed in such a manner to keep the panel system tight at all times.

The reserve pit panel fencing system will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. The reserve pit panel fencing system will be maintained until reclamation of the reserve pit.

Fill from the pit excavation will be stockpiled along the edge of the reserve pit and the adjacent edge of the pad.

Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings will be employed by Ute Energy as necessary and appropriate to minimize erosion and surface run-off during well pad construction and operation. Cut and fill slopes will be constructed such that stability will be maintained for the life of the operation.

Diversion ditches will be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.

10. <u>Plans for Restoration of the Surface</u>

Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.

The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal.

Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.

The reserve pit, flare pit and that portion of the location not needed for production facilities/operations would be re-contoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour.

API Well Number: 43047514960000

The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the BLM specified seed mix and method. However, Ute Energy proposes the following seed mix for BLM consideration for Ute Energy operations within the Randlett EDA area:

The following seed mix is recommended for rangeland drill application for both interim and final reclamation based on soil characteristics, topographic features, and surrounding native vegetation composition. This seed mix will create a diverse vegetation cover while maximizing the benefits to both wildlife and domestic livestock, while ensuring compatibility with the surrounding landscape.

Recommended Seed Mix for the Randlett EDA Area

Common Name, Cultivar	Scientific Name	Application Rate (Pounds Per Live Seed/Acre)*
Crested Wheatgrass, Ephriam	Agropyron cristatum, var Ephraim	1
Needle-and-thread grass	Stipa comata	4
Indian ricegrass	Oryzopsis hymenoides	2
Bottlebrush squirrel	Sitanion hystrix	4
Shadscale	Atriplex confertifolia	2
Winterfat	Eurotia lanata	1
Globemallow	Sphaeralcea coccinea	1
Total		15

^{*}Double this rate if broadcast seeding is planned; preferred method is drill seeding.

It must be noted that individual surface use agreements negotiated with private landowners may replace these seed mixes with crop seed, such as alfalfa, corn, wheat or sorghum.

Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the proposed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership

Surface: Coleman Bros. LTD

Joseph Coleman 393 E. Center Street Heber City, UT 84032

See attached Memorandum of Surface Use Agreement

Minerals: Ute Tribe

988 South 7500 East (Annex Building)

Fort Duchesne, UT 84026

435-725-4950

12. <u>Additional Information</u>

Western Archaeological Services conducted a Class III Cultural Resource Inventory of this well site and associated access road and pipeline corridor in November, 2010. A copy of the report, recommending clearance for the project, was submitted under separate cover to the appropriate agencies by Western as report 10-WAS-445, dated November 18, 2010.

Uinta Paleontological Associates, Inc. conducted a paleontological survey of this well site and associated access road and pipeline corridor in November, 2010. A copy of the report, recommending clearance for

the project, was submitted under separate cover to the appropriate agencies by Uinta on November 18, 2010.

Buys and Associates, Inc. conducted a threatened and endangered plant survey of this well site and associated access road and pipeline corridor in November, 2010 given the location fell within the USFWS-defined habit for the Uinta Basin Hookless Cactus (*Sclerocactus wetlandicus*). A copy of the report, indicating no *Sclerocactus* plants were documented during the survey, was submitted under separate cover to the appropriate agencies by Buys in November, 2010.

Ute Energy Upstream Holdings LLC is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Ute Energy is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance. A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling and completion activities.

13. Lessee's or Operator's Representative and Certification

Representative: Mike Maser, Area Superintendent

Ute Energy Upstream Holdings LLC

7074 East 900 South Fort Duchesne, UT 84026

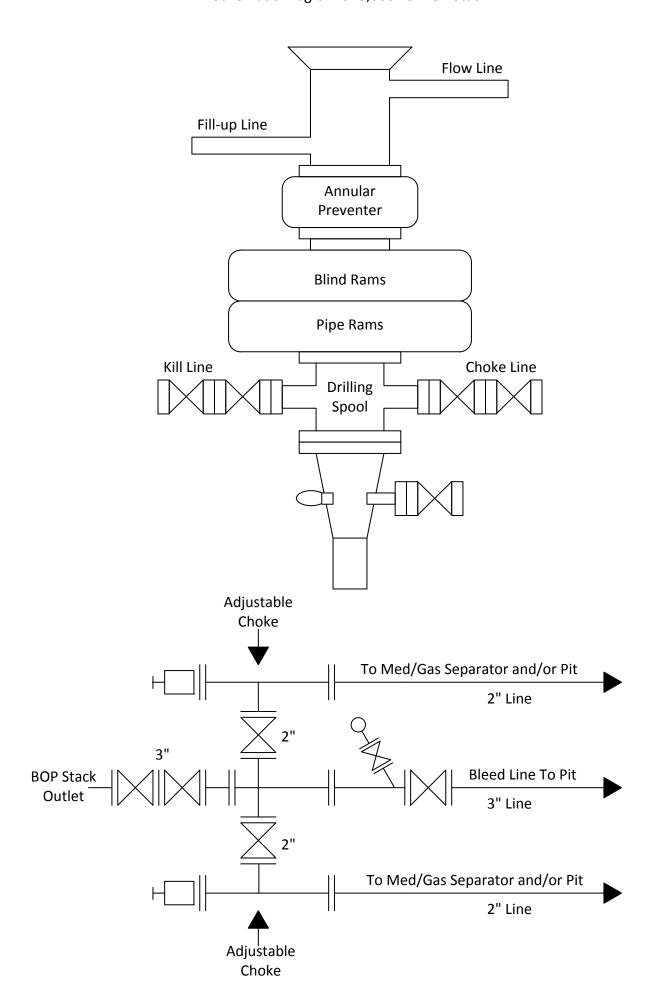
(435) 725-4835

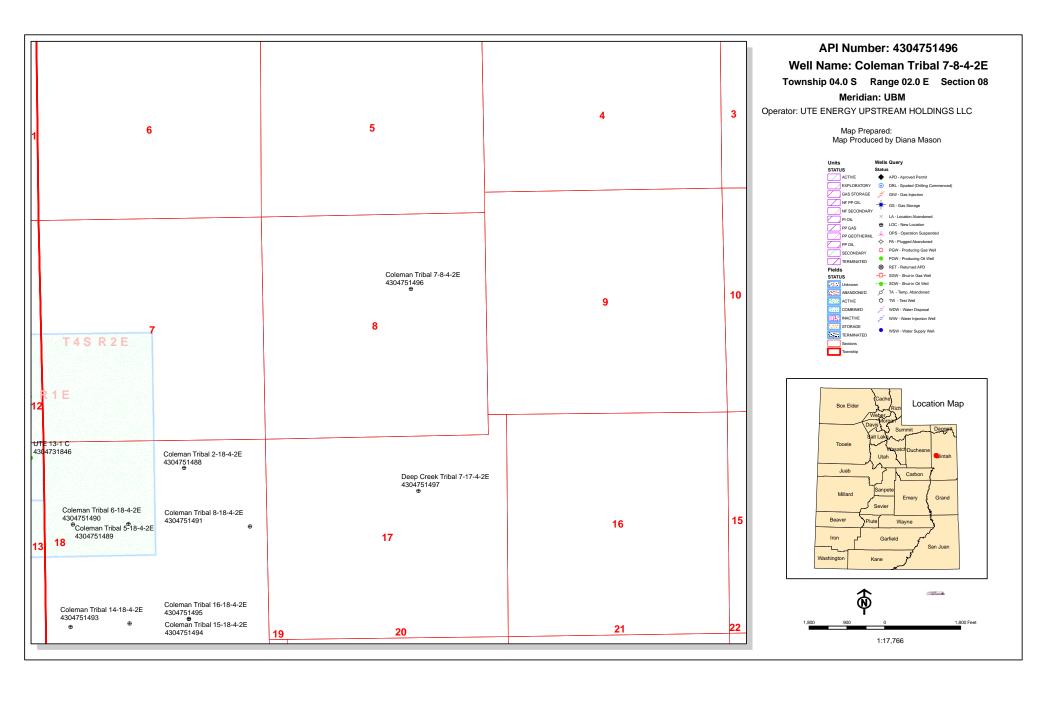
Certification:

Please be advised that Ute Energy Upstream Holdings LLC is considered to the operator of the Coleman Tribal 7-8-4-2E in the SW/NE Section 8, T4S, R2E, Uintah County, Utah and is responsible under the terms and conditions of the Randlett Exploration and Development Agreement (EDA) No. 14-20-H62-6288 (approved by the BIA on December 27, 2010) for the operations conducted upon the leased lands. Bond coverage is provided by BIA Bond No. 687C300004-CD.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Ute Energy Upstream Holdings LLC and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

Date	Rachel Garrison
	Regulatory Manager
	Ute Energy Upstream Holdings LLC







Office of the Governor PUBLIC LANDS POLICY COORDINATION

JOHN HARJA Director

February 7, 2011

Diana Mason Petroleum Specialist Department of Natural Resources, Division of Oil Gas and Mining 1594 West North Temple, Suite 1210 P.O. Box 145801 Salt Lake City, UT 84114-5801

Subject: Application for Permit to Drill

RDCC Project No. 24940

Dear Ms. Mason:

The State of Utah, through the Public Lands Policy Coordination Office (PLPCO), has reviewed this project. Utah Code (Section 63J-4-601, et. seq.) designates PLPCO as the entity responsible to coordinate the review of technical and policy actions that may affect the physical resources of the state, and to facilitate the exchange of information on those actions among federal, state, and local government agencies. As part of this process, PLPCO makes use of the Resource Development Coordinating Committee (RDCC). The RDCC includes representatives from the state agencies that are generally involved or impacted by public lands management.

Division of Air Quality

Because fugitive dust may be generated during soil disturbance the proposed project will be subject to Air Quality rule R307-205-5 for Fugitive Dust. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules can be found at www.rules.utah.gov/publicat/code/r307/r307.htm.

The state encourages the use of Best Management Processes (BMP s) in protecting air quality in Utah. The state recommends the following BMP s as standard operating procedures:

Emission Standards for Stationary Internal Combustion Engines of 2 g/bhp-hr 1) of NOx for engines less than 300 HP (Tier 3) and 1 g/bhp-hr of NOx for engines over 300 HP (Tier 3).

- API We2) Numbe No 48 14 45 bleed countrollers for Pneumatic Pumps, Actuators and other Pneumatic devices.
 - Green completion or controlled VOC emissions methods with 90% efficiency for Oil or Gas Atmospheric Storage Tanks, VOC Venting controls or flaring. Glycol Dehydration and Amine Units Units, VOC Venting controls or flaring, Well Completion, Re-Completion, Venting, and Planned Blowdown Emissions.

If compressors or pump stations are constructed at the site or if the proponent perceives full production a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to R307-401: Permit: Notice of Intent and Approval Order, of the Utah Air Quality Rules. A copy of the rules can be found at www.rules.utah.gov/publicat/code/r307/r307.htm.

The State of Utah appreciates the opportunity to review this proposal and we look forward to working with you on future projects. Please direct any other written questions regarding this correspondence to the Public Lands Policy Coordination Office at the address below, or call Judy Edwards at (801) 537-9023.

Sincerely,

John Harja Director API Well Number: 43047514960000

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator UTE ENERGY UPSTREAM HOLDINGS LLC

Well Name Coleman Tribal 7-8-4-2E

API Number 43047514960000 APD No 3441 Field/Unit WILDCAT

Location: 1/4,1/4 SWNE **Sec** 8 **Tw** 4.0S **Rng** 2.0E 1941 FNL 1987 FEL

GPS Coord (UTM) 603049 4445088 Surface Owner Coleman Bros. LTD

Participants

Floyd Bartlett (DOGM), Mike Maser, Rachel Garrison and Cameron Cuch (Ute Energy), Charles MacDonald and Aaron Roe (BLM), Don Hamilton (BUYS and Associates), Forest Bird, Terry Hogan, Bobby Chapose (Dirt Contractors) and Cody Rich (UELS).

Regional/Local Setting & Topography

The general area is on Leland Bench, which is located about 10 miles south of Fort Duchesne, Uintah County, Utah. Broad flats with low growing desert shrub type vegetation characterize the area. A few rolling hills and slopes leading to higher flats occur. The Uinta formation dominates the surface. Soils are dominated by deep sandy clay loams with erosion pavement common on slopes. No springs, seeps or flowing streams are known to occur in the area. The Duchesne River is approximately 3 miles to the east and is the nearest source of flowing water. All lands in the immediate area are privately owned. Solid blocks or scattered Ute Tribal lands surround the area.

Access to the proposed well site is by State of Utah or Uintah County roads and existing or proposed oilfield development roads. Distance from Randlett, Utah is approximately 12.7 miles. Approximately 161 feet of new road will be constructed to reach this location.

The proposed pad for the Coleman Tribal 7-8-4-2E oil well is laid out in a west to east direction across a flat with a slight slope to the southeast. Approximately 70 feet to the south is a power-line and a paralleling road. Maximum cut is 1.9 feet at Location Corner 4 and maximum fill of 1.4 feet at Corner 8. No drainages intersect the locations that require diversions. The location is within the normal drilling window and appears to be a good site for constructing a pad, drilling and operating a well.

Coleman Brothers LLC. own the surface.

The minerals are owned by the United States Government and held in trust for the Ute Indian Tribe.

Surface Use Plan

Current Surface Use

Grazing Recreational

Wildlfe Habitat

New Road Miles Well Pad Src Const Material Surface Formation

0.01 Width 230 Length 350 Onsite UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

2/10/2011 Page 1

Flora/Fauna Number: 43047514960000

Overall vegetation at this site is fair. The vegetation on Leland Bench is a desert shrub/forb type. Similar species are common throughout the area. Principal species are shadscale, bud sage, winter fat, horsebrush, broom snakeweed, Indian ricegrass, needle and thread grass, curly mesquite grass, scarlet globe mallow, matt and Gardiner saltbrush, hordeum jabutum and annual mustards. A few occurrences of cheat grass, rabbit brush, buckwheat, Mormon tea and other species occur but are not common. Impacts from past and current grazing do not exist.

Because of the lack of water and cover the area is not rich in fauna. Species include antelope, coyotes and small mammals and rodents. Some shrub dependent birds may occur but were not observed. Historically, but not currently, sheep and wild horses grazed the area. Light winter cattle grazing currently exist.

Soil Type and Characteristics

Soils are a moderately deep sandy loam

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors	Site R	anking	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	20	1 Sensitivity Level

Characteristics / Requirements

A 40' x 80' x 8' deep reserve pit is planned in a cut on the northwest corner of the location. A liner with a minimum thickness of 12-mils is required.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 12 Pit Underlayment Required? Y

2/10/2011 Page 2

Floyd Bartlett 12/14/2010 **Evaluator Date / Time**

2/10/2011 Page 3

API Well Number: 43047514960000

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3441	43047514960000	LOCKED	OW	P	No
Operator	UTE ENERGY UPSTREAM	HOLDINGS LLC	Surface Owner-APD	Coleman Bro	s. LTD
Wall Nama	Coleman Tribal 7 8 1 2F		Unit		

Well Name Coleman Tribal 7-8-4-2E Unit

Field WILDCAT Type of Work DRILL

Location SWNE 8 4S 2E U 1941 FNL 1987 FEL GPS Coord (UTM) 603109E 4445137N

Geologic Statement of Basis

2/10/2011

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill 1/27/2011
APD Evaluator Date / Time

Surface Statement of Basis

The general area is on Leland Bench, which is located about 10 miles south of Fort Duchesne, Uintah County, Utah. Broad flats with low growing desert shrub type vegetation characterize the area. A few rolling hills and slopes leading to higher flats occur. The Uinta formation dominates the surface. Soils are dominated by deep sandy clay loams with erosion pavement common on slopes. No springs, seeps or flowing streams are known to occur in the area. The Duchesne River is approximately 3 miles to the east and is the nearest source of flowing water. All lands in the immediate area are privately owned. Solid blocks or scattered Ute Tribal lands surround the area.

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Coleman Brothers LLC. own the surface. Both Joe and Mary Joe Coleman were notified of and invited to attend the site visit by the BLM. Neither desired to attend. A signed surface use agreement has been completed.

The minerals are owned by the United States Government and held in trust for the Ute Indian Tribe. Mr. Charles MacDonald and Mr. Aaron Roe of the BLM, who acts for the Ute Indian Tribe, attended the pre-site evaluation. They had no concerns regarding the location.

Uintah County has recently passed a new ordinance to regulate extraction industries. This ordinance requires a conditional use permit for all oil or gas wells in areas not zoned as industrial. Ute Energy is required to obtain a permit for this and other wells on Leland Bench.

Floyd Bartlett

Onsite Evaluator

12/14/2010 **Date / Time**

API Well Number: 43047514960000 Application for Permit to Drill **Statement of Basis**

Utah Division of Oil, Gas and Mining 2/10/2011

Page 2

Condition Category

Pits A synthetic liner with a minimum thickness of 12 mils with a felt subliner as needed shall be properly installed and

maintained in the reserve pit.

The reserve pit shall be fenced upon completion of drilling operations. Surface

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/21/2011 **API NO. ASSIGNED:** 43047514960000 WELL NAME: Coleman Tribal 7-8-4-2E **OPERATOR:** UTE ENERGY UPSTREAM HOLDINGS LLC (N3730) **PHONE NUMBER:** 720 420-3235 **CONTACT:** Rachel Garrison PROPOSED LOCATION: SWNE 08 040S 020E **Permit Tech Review: SURFACE: 1941 FNL 1987 FEL Engineering Review: BOTTOM:** 1941 FNL 1987 FEL Geology Review: **COUNTY: UINTAH LATITUDE:** 40.15215 **LONGITUDE:** -109.78942 **UTM SURF EASTINGS: 603109.00** NORTHINGS: 4445137.00 FIELD NAME: WILDCAT LEASE TYPE: 2 - Indian **LEASE NUMBER:** EDA 14-20-H62-6288 PROPOSED PRODUCING FORMATION(S): GREEN RIVER **SURFACE OWNER:** 4 - Fee **COALBED METHANE: NO RECEIVED AND/OR REVIEWED: LOCATION AND SITING:** PLAT R649-2-3. Bond: INDIAN - 687C300004-CD Unit: **Potash** R649-3-2. General Oil Shale 190-5 Oil Shale 190-3 R649-3-3. Exception Oil Shale 190-13 **Drilling Unit** Board Cause No: R649-3-2 Water Permit: 438496 **RDCC Review:** 2011-02-08 00:00:00.0 **Effective Date: ✓** Fee Surface Agreement Siting: **Intent to Commingle** R649-3-11. Directional Drill **Commingling Approved Comments:** Presite Completed

Stipulations:

4 - Federal Approval - dmason 5 - Statement of Basis - bhill 23 - Spacing - dmason

API Well No: 43047514960000



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Coleman Tribal 7-8-4-2E

API Well Number: 43047514960000

Lease Number: EDA 14-20-H62-6288 Surface Owner: FEE (PRIVATE)

Approval Date: 2/10/2011

Issued to:

UTE ENERGY UPSTREAM HOLDINGS LLC, 1875 Lawrence St Ste 200, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during

API Well No: 43047514960000

drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas Form 3160 -3 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM	APPRO)VEI
OMB N	To. 1004	-0131
Expires	July 31,	201

5.]	ease	Ser	ial	No.	
En	٨	A ! -	11	20	LIGO	

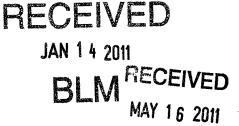
BUREAU OF LAND MAN	EDA No. 14-20-H62-6288						
APPLICATION FOR PERMIT TO	6. If Indian, Allotee or Tribe Name						
				Ute Tribe			
la. Type of work: DRILL REENTI	ER.			7 If Unit or CA Agreement, Name and No.			
in Type of Holia.				NA			
lb. Type of Well: Oil Well Gas Well Other	8. Lease Name and Well No. Coleman Tribal 7-8-4-2E						
2. Name of Operator Ute Energy Upstream Holdings LLC				9. API Well No.	047-	SIL	1910
3a. Address 1875 Lawrence Street, Suite 200 Denver, CO 80202		ne No. (include area code)	10. Field and Pool, or Exploratory				
		20-3235	Undesignated				
4. Location of Well (Report location clearly and in accordance with an	nd in accordance with any State requirements.*)			11. Sec., T. R. M. or Blk. and Survey or Area			
At surface SW/NE 1941' FNL and 1987' FEL (Lat: 40.15	Section 8, T4S, R2E						
At proposed prod. zone SW/NE 1941' FNL and 1987' FEL							
14. Distance in miles and direction from nearest town or post office*			12. County or Parish		13. State		
Approximately five miles south of Randlett, UT				Uintah	ľ	UT	
15. Distance from proposed* 1941' location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)		of acres in lease	17. Spacin	ing Unit dedicated to this well			
		640					
 Distance from proposed location* to nearest well, drilling, completed, 	19. Proposed Depth 20. BLM/		BIA Bond No. on file				
to nearest well, drilling, completed, applied for, on this lease, ft.	7,588	TD	nd No. 687C300004-CD				
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*		rt*	23. Estimated duration			
5104' GL	04/10/2011			(7) days from spud to rig release			
	24. A	Attachments	-			-	
The following, completed in accordance with the requirements of Onshor	e Oil and	Gas Order No.1, must be as	tached to thi	s form:			
1 Wall plot contified by a registered companion		l d Doud to the					
 Well plat certified by a registered surveyor. A Drilling Plan. 		Item 20 above).	ne operation	is unless covered by an	existing bo	nd on fi	le (see
2. A Drining Flat. 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification							
SUPO must be filed with the appropriate Forest Service Office).	-,			rmation and/or plans as	s may be rec	quired by	the /
25. Signature Regret		Name (Printed Typed)		Date			
		achel E. Garrison	01/14/2011				
Title					·		
Regulatory Manager							
Approved by (Signature)	Name (Printed/Typed) Jerry Kencz			ka	DateMA	111	2011
Title Assistant Field Manager Lands & Mineral Resources				D OFFICE	1		
Application approval does not warrant or certify that the applicant holds	legalor	equitable title to those right	s in the subj	ect lease which would e	entitle the ap	plicantto	5
conduct operations thereon. Conditions of approval, if any, are attached.	CON	DITIONS OF APP	ROVAL	ATTACHED	•		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

NOS____AFMSS#_IICSDOY3A







UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT **VERNAL FIELD OFFICE**

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No:

Ute Energy Upstream Holdings LLC

Coleman Tribal 7-8-4-2E

API No: 43-047-51496 Location:

SWNE, Sec. 8, T4S, R2E

Lease No: Agreement: 14-20-H62-6288 Randlett EDA

OFFICE NUMBER:

(435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 6 Well: Coleman Tribal 7-8-4-2E 5/9/2011

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- Paint all production facilities and equipment, not otherwise regulated (OSHA, etc.), Covert Green.
- All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- The conditions of approval, as set forth by those owners and/or agencies, shall be adhered to.
- The pipeline ROW approval is only for this specific portion of pipeline. Other approvals will be necessary to reach the tie- in point with Newfield's pipeline infrastructure.

Page 3 of 6 Well: Coleman Tribal 7-8-4-2E

5/9/2011

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

 Additional cement required, for Cementing Program covering Surface and Production Casing strings.

Tops of cement for Surface Casing string Cementing Program is Surface. Top of cement for Production Casing string Cementing Program is Surface.

- Production casing cement shall be brought up and into the surface.
- A variance is granted for Onshore Order #2 Drilling Operations III. E. "Blooie line discharge 100 feet from well bore and securely anchored" Blooie line can be 70 feet.
 All requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
 daily drilling report. Components shall be operated and tested as required by Onshore Oil &
 Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
 performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be
 reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.

Page 4 of 6 Well: Coleman Tribal 7-8-4-2E

The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
 Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum
 Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 5 of 6 Well: Coleman Tribal 7-8-4-2E 5/9/2011

OPERATING REQUIREMENT REMINDERS:

 All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
 notified when it is placed in a producing status. Such notification will be by written
 communication and must be received in this office by not later than the fifth business day
 following the date on which the well is placed on production. The notification shall provide, as a
 minimum, the following informational items:
 - Operator name, address, and telephone number.
 - o Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - o Unit agreement and/or participating area name and number, if applicable.
 - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will
 be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be
 reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major
 Events" will be reported in writing within 15 days. "Minor Events" will be reported on the
 Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

Page 6 of 6 Well: Coleman Tribal 7-8-4-2E 5/9/2011

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field
 Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
 and all future meter proving schedules. A copy of the meter calibration reports shall be
 submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API
 standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
 measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
 to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs
 first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
 adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
 sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering
 lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of
 a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval
 may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior
 approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
 before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Sundry Number: 15712 API Well Number: 43047514960000

			FORM 9		
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9		
	G	5.LEASE DESIGNATION AND SERIAL NUMBER: EDA 14-20-H62-6			
SUNDF	RY NOTICES AND REPORTS OF	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	sals to drill new wells, significantly deepen exis gged wells, or to drill horizontal laterals. Use A		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: COLEMAN TRIBAL 7-8-4-2E		
2. NAME OF OPERATOR: UTE ENERGY UPSTREAM HOLD	DINGS LLC		9. API NUMBER: 43047514960000		
3. ADDRESS OF OPERATOR: 1875 Lawrence St Ste 200 , D	PHONE N enver, CO, 80202 720 420-33		9. FIELD and POOL or WILDCAT: WILDCAT		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1941 FNL 1987 FEL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNE Section: 08	P, RANGE, MERIDIAN: Township: 04.0S Range: 02.0E Meridian: U		STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	IATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	☐ CASING REPAIR		
☐ NOTICE OF INTENT	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME		
Approximate date work will start:	☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT	☐ DEEPEN ☐	FRACTURE TREAT	☐ NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	□ PLUG BACK		
	□ PRODUCTION START OR RESUME □	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
✓ SPUD REPORT Date of Spud:					
6/8/2011	☐ REPERFORATE CURRENT FORMATION ☐	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON		
DRILLING REPORT	☐ TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL		
Report Date:	□ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
	□ WILDCAT WELL DETERMINATION □	OTHER	OTHER:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Ute Energy Upstream Holdings LLC spud the Coleman Tribal 7-8-4-2E with the ProPetro #12 on Wednesday, June 8, 2011 at 6:30am. ProPetro #12 is drilling the depth for the surface casing only, to be followed by Capstar #316 for the Company of the drilling operations to total depth. Utah Division of Oil, Gas and Mining FOR RECORD ONLY					
NAME (PLEASE PRINT) Lori Browne	PHONE NUMBER 720 420-3246	TITLE Regulatory Specialist			
SIGNATURE N/A		DATE 6/8/2011			

Sundry Number: 16170 API Well Number: 43047514960000

			FORM 9	
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE	C		
	DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: EDA 14-20-H62-6	
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	sals to drill new wells, significantly deepen o gged wells, or to drill horizontal laterals. Us		7.UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: COLEMAN TRIBAL 7-8-4-2E	
2. NAME OF OPERATOR: UTE ENERGY UPSTREAM HOLD	DINGS LLC		9. API NUMBER: 43047514960000	
3. ADDRESS OF OPERATOR: 1875 Lawrence St Ste 200 , D		IE NUMBER:)-3235 Ext	9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1941 FNL 1987 FEL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNE Section: 08	IP, RANGE, MERIDIAN: Township: 04.0S Range: 02.0E Meridian: U	J	STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR	
☐ NOTICE OF INTENT	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME	
Approximate date work will start:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE	
SUBSEQUENT REPORT	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE	☐ PLUG AND ABANDON	PLUG BACK	
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
✓ DRILLING REPORT		☐ VENT OR FLARE	☐ WATER DISPOSAL	
Report Date: 6/18/2011	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
0, 10, 2011	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please find attached a Summary Drilling Report encompassing the construction and drilling activities (05/19/2011 through 06/18/2011) for the Coleman Tribal 7-8-4-2E. If you have any questions, please contact Chris BairringtonAccepted by the Senior Operations Engineer, at 720-420-3238. Utah Division of Oil, Gas and Mining FOR RECORD ONLY				
NAME (PLEASE PRINT) Lori Browne	PHONE NUMBER 720 420-3246	TITLE Regulatory Specialist		
SIGNATURE		DATE		
N/A		6/24/2011		

Sundry Number: 16170 API Well Number: 43047514960000



Drilling Pad Construction:

Well Name: Coleman Tribal 7-8-4-2E

Start Loc Build: 5/19/2011

Finish Loc Build: 6/1/2011

Field:RandlettConst Comp:La Rose ConstructionAFE No:50468DLocation:Coleman Tribal 7-8-4-2ESupervisor:Justin JeppersonCum. Cost:

County: Uintah
State: Utah

Elevation: 5104'

Formation: Green River

 Supervisor:
 Justin Jepperson
 Cum. Cost:

 Contact #:
 435-219-5643

 Email:
 Jjeperson@uteenergy.com

Date	From	То	Hours	Summary
5/19/2011	16:00	18:00	2:00	Started stripping top soil off location.
5/20/2011	7:00	16:00	9:00	Cutting location to grade with Dozer, on location about 3/4 to grade.
5/21/2011	0:00	0:00	0:00	
5/22/2011	0:00	0:00	0:00	
5/23/2011	8:00	17:30	9:30	Finish cutting location to rough grade with Dozer and start final grade with blade.
5/24/2011	8:00	12:00	4:00	Finished put location to grade with motor grader, ready to 3" minus location.
5/25/2011	8:00	16:00	8:00	Finished roughing in road with motor grader, will start hauling
5/26/2011	8:00	16:30	8:30	Hauling 3" minus on road.
5/27/2011	8:00	16:30	8:30	Hauling 3" minus on road.
5/28/2011	0:00	0:00	0:00	
5/29/2011	0:00	0:00	0:00	
5/30/2011	0:00	0:00	0:00	
5/31/2011	8:00	18:00	10:00	Hauling 3" minus on road, started putting 3" minus on location.
				Finished location, minus final grade which will be done after location is spud. Then location will be
6/1/2011	8:00	17:30	9:30	prepped for the drilling rig.

Additional Loca	ition Notes:						
				ECEN/ED	Tun 2/	1 2011	
			K	ECEIVED _	oun. 24	±, ∠UII	



Well Name: Coleman Tribal 7-8-4-2E Report Date: 6/9/2011

Report Date:	6/9/2011
Ops @ 6am:	W.O.Drilling Rig

		1			I	
Field:	Randlett	Rig Name:	Capstar #316		Report No:	1
Location:	Coleman Tribal 7-8-4-2E	KB:	12		Since Spud:	1
County:	Uintah	Supervisor:	Scott Seely		Spud Date:	6/8/2011
State:	Utah	Supervisor 2:			Rig Start Date:	
Elevation:	5104'	Rig Phone:	435-828-1101		AFE No:	50468D
Formation:	Green River	Rig Email:	sseely@uteenergy.com		Daily Cost:	
,			•		Cum. Cost:	
					Rig Release Date:	·
Depth (MD)	: 402' PTD (MD) :	7,590'	Daily Footage:	342	Avg ROP:	57.0

 Depth (MD):
 402'
 PTD (MD):
 7,590'
 Daily Footage:
 342'
 Avg ROP:
 57.0

 Depth (TVD):
 .
 PTD (TVD):
 7,590'
 Drilling Hours:
 6.0
 Exp TD Date:
 .

 7 7/8" Hours:
 .
 .
 .
 .

Cum 7 7/8" Hours:

Casing Data: DATA EN	<u>TRY</u>						
Туре	Size	Weight	Grade	Connection	Тор	Bottom	Shoe Test
Conductor	16"	1/4 wall	Line Pipe	, Welded	420875146	72' KB	
Surface	8-2/8 ¹ /21 y	24#	J-55 W	ST&C ST&C	4304,73143	377 KB	
Production	5 1/2"	15.5	J-55	LT&C	0'	7570'	

Mud Properties:				
Type:				
Weight:				
Vis:				
PV:				
YP:				
10s Gels:				
10m Gels:				
pH:				
API Filtrate:				
HPHT Filtrate:				
Cake:				
Oil/H ₂ O Ratio:				
ES:				
MBT:				
Pm:				
Pf/Mf:				
% Solids:				
% LGS:	•			
% Sand:				
LCM (ppb):				
Calcium:				
Chlorides:				
DAPP:				

Surveys: D/	Surveys: <u>DATA ENTRY</u>					
Depth	Inc	Azi				
898'	0.690					
1,943'	1.56°					
2,526'	1.220					
3,525'	2.01°					
4,028'	3.23°					
4,486'	3.410					
4,987'	2.710					
5,444'	1.45°					
6,483'	3.00°					

BHA:			
Component	Length	ID	OD
Total Length:	0.00		
Hydraulics:		ling Parame	ters:
PP:	WOB:		

Hydra	ulics:
PP:	
GPM:	
TFA:	
HHP/in ² :	-
%P @ bit:	
Jet Vel:	
AV DP/DC:	
SPR #1:	
SPR #2:	

Drilling	Parameters:
WOB:	
Tot RPM:	
Torque:	
P/U Wt:	
Rot Wt:	
S/O Wt:	
Max Pull:	
Avg Gas:	
Max Gas:	
Cnx Gas:	
Trip Gas:	

Bit Info:

DIL IIIIO	•										
Bit #	Size	Make	Type	S/N	Jets	In	Out	Footage	Hrs	ROP	Grade
1	7 7/8	Smith	M616	JE6752	6X16	402'	7,590'	7,188'	70.5	102.0	1-1-WT-A-X-I-NO-TD

Activity Summary (6:00am - 6:00am)

,	, (· · · · · ,	*****
From	То	Hours	P/U	Summary
6:00				6/04/11MI&RU Pete Martin Drilling & Drilled 60' of 24" Hole - Ran 60' of 16" Conductor Pipe - Cmt.W/ReadyMix
				6/08/11 MI&RU ProPetro & Drilled 390' of 12 1/4" Hole - Ran 365' of 8 5/8" 24# J-55 ST&C Set @ 377' RKB
				6/08/11 Cmt.W/ProPetro Pumped 20bbl Gel Water Ahead Of 225sk Prem. Wt.15.8 Yld.1.15 46bbl - Drop Plug
				and Disp. W/20bbl Water - Plug Bumped Float Held - 7bbl Cmt To Surf Hole Stayed Full

24	Hour	Activity	Summar	v-
	. IOui	Activity	Cummun	y·

24 Hour Activity Summary.		
	RECEIVED	
24 Hour Plan Forward:		

Safety	
Last BOP Test:	
BOP Test Press:	

BOP Drill?	
Function Test?	
Incident	

Weather	
High / Low	
Conditions:	
Wind:	



Well Name: Coleman Tribal 7-8-4-2E

Daily Drilling Report		Report Date:		6/13/2011
		Ops @ 6am:	Dr	illing @ 1104'
	Rig Name:	Capstar #316	Report No:	1

Field:	Randlett	Rig Name:	Capstar #316	Report No:	1
Location:	Coleman Tribal 7-8-4-2E	KB:	12	Since Spud:	2
County:	Uintah	Supervisor:	Scott Seely	Spud Date:	6/8/2011
State:	Utah	Supervisor 2:		Rig Start Date:	6/12/2011
Elevation:	5104'	Rig Phone:	435-828-1101	AFE No:	50468D
Formation:	Green River	Rig Email:	sseely@uteenergy.com	Daily Cost:	
	•			Cum. Cost:	
				Pig Pologo Doto:	

Depth (MD): 1,104' PTD (MD): 7,590' Daily Footage: 702' Avg ROP: 156.0 Depth (TVD): PTD (TVD): Exp TD Date: 7,590' **Drilling Hours:** 4.5

7 7/8" Hours: 4.5 Cum 7 7/8" Hours: 4.5

Casing Data: DATA ENTRY

Casing Data. DATA LIV	<u> </u>						
Туре	Size	Weight	Grade	Connection	Тор	Bottom	Shoe Test
Conductor	16"	1/4 wall	Line Pipe	Welded	0'	72' KB	
Surface	85/8iary	Number.	101/07 2 21 M	STE STABLES	4304,/5145	™377 KB	
Production	5 1/2"	15.5	J-55	LT&C	0'	7570'	

Mud Properties:

Mud Froperties	·-
Type:	DAPP
Weight:	8.4
Vis:	27
PV:	1
YP:	1
10s Gels:	1
10m Gels:	1
pH:	9.0
API Filtrate:	
HPHT Filtrate:	
Cake:	
Oil/H ₂ O Ratio:	
ES:	
MBT:	
Pm:	0.1
Pf/Mf:	.1/.2
% Solids:	2.00
% LGS:	2.97
% Sand:	tr
LCM (ppb):	0
Calcium:	20
Chlorides:	5,000
DAPP:	1

Surveys: D	В		
Depth	Inc	Azi	

0.69°

898'

000	0.0	
1,943'	1.56°	
2,526'	1.220	
3,525'	2.010	
4,028'	3.230	
4,486'	3.410	
4,987'	2.710	
5,444'	1.45°	
6,483'	3.00°	

BHA:			
Component	Length	ID	OD
Bit	1.00'		7.88
Dog Sub	0.75'	2.25	7.88
Mud Motor	32.97'		6.25
IBS	7.52'	2.25	7.88
1 DC	29.84'	2.25	6.25
IBS	6.06'	2.25	7.88
6 DC	176.78'	2.25	6.25
10 HWDP	309.88'	3.00	4.50
		•	
Total Length:	564.80		

Hydraulics:				
PP: 1100				
GPM:	392			
TFA:	1.178			
HHP/in ² :	19			
%P @ bit:	17			
Jet Vel:	106			
AV DP/DC:	230/369			
SPR #1:	270/62			
SPR #2:	270/62			

Drilling Parameters:				
WOB:	15 18			
Tot RPM:	125			
Torque:	8500			
P/U Wt:	40			
Rot Wt:	40			
S/O Wt:	40			
Max Pull:	50			
Avg Gas:				
Max Gas:				
Cnx Gas:				
Trip Gas:				

Bit Info:

DIC 11110	•										
Bit #	Size	Make	Type	S/N	Jets	In	Out	Footage	Hrs	ROP	Grade
1	7 7/8	Smith	M616	JE6752	6X16	402'	7,590'	7,188'	70.5	102.0	1-1-WT-A-X-I-NO-TD
Activity Summary (6:00am - 6:00am)						24.00 HRS					

From То 6:00 15:00 9:00 MI&RU 15:00 18:00 3:00 Nipple Up BOP 22:30 4:30 Press.Test BOP - Rams,Choke.Valves & Lines T/3000psi - Annular & Csg. T/1500psi 18:00 0:30 Strap & P/U BHA Tag Cmt.@ 289' 22:30 23:00 23:00 1:30 0:30 Drill Cmt.& Flt.Eq. T/402 0:30 1:00 0:30 FIT 10.5 Eq. Drlg. F/402' T/942' 540' 135/fph 1:00 5:00 4:00 5:00 5:30 0:30 Survey @ 898' .69 Deg 6:00 0:30 6:00

Activity Summary (6:00am - 6:00am)

Hours

Summary

24 Hour Activity Summary:

MI&RU - Nipple Up & Press.Test - Drlg F/402' T/1104' 7.2'/156 fph RECEIVED

24 Hour Plan Forward:

Drill Ahead

Safety

Ouroty							
Last BOP Test:	6/12/2011						
BOP Test Press:	3000						

BOP Drill?	N
Function Test?	Υ
Incident	0

Weather						
High / Low	78/48					
Conditions:	P/C					
Wind:	0.00					

Fuei	
Diesel Used:	225
Diesel Recvd:	0
Diesel on Loc:	1.102



Well Name: Coleman Tribal 7-8-4-2E 6/14/2011

Report Date: Ops @ 6am: Drilling @ 4111'

Field:	Randlett	Rig Name:	Capstar #316	Report No:	1
Location:	Coleman Tribal 7-8-4-2E	KB:	12	Since Spud:	3
County:	Uintah	Supervisor:	Scott Seely	Spud Date:	6/8/2011
State:	Utah	Supervisor 2:		Rig Start Date:	6/12/2011
Elevation:	5104'	Rig Phone:	435-828-1101	AFE No:	50468D
Formation:	Green River	Rig Email:	sseely@uteenergy.com	Daily Cost:	
				Cum. Cost:	
				Dia Balanca Data	

Depth (MD): 4,111' PTD (MD): 7,590' Daily Footage: 3,007' Avg ROP: 139.9 Depth (TVD): PTD (TVD): 7,590' **Drilling Hours:** 21.5 Exp TD Date:

7 7/8" Hours: 26.0 Cum 7 7/8" Hours: 26.0

Casing Data: DATA ENTRY

Ousing Data. DATA LIV	1111						
Туре	Size	Weight	Grade	Connection	Тор	Bottom	Shoe Test
Conductor	16"	1/4 wall	Line Pipe	Welded	0'	72' KB	
Surface	85/8 ¹⁰¹ y	Nullinger .	191/0J=551 W	STE ST&COET.	4304,75149	60397 KB	
Production	5 1/2"	15.5	J-55	LT&C	0'	7570'	

Mud Properties:

Type:	DAPP
Weight:	8.4
Vis:	27
PV:	1
YP:	1
10s Gels:	1
10m Gels:	1
pH:	9.0
API Filtrate:	
HPHT Filtrate:	
Cake:	
Oil/H ₂ O Ratio:	
ES:	
MBT:	
Pm:	0.1
Pf/Mf:	.1/.2
% Solids:	2.00
% LGS:	2.97
% Sand:	tr
LCM (ppb):	0
Calcium:	20
Chlorides:	8,000
DAPP:	1

Surveys:	ΠΔΤΔ	FNTRY

Surveys: D	Surveys: DATA ENTRY							
Depth	Inc	Azi						
898'	0.690							
1,943'	1.56°							
2,526'	1.220							
3,525'	2.010							
4,028'	3.230							
4,486'	3.410							
4,987'	2.710							
5,444'	1.45°							
6,483'	3.000							

ы	ш,	١.
DI	7	١.

Length	ID	OD
1.00'		7.88
0.75'	2.25	7.88
32.97'		6.25
7.52'	2.25	7.88
29.84'	2.25	6.25
6.06'	2.25	7.88
176.78'	2.25	6.25
309.88'	3.00	4.50
564.80		
	1.00' 0.75' 32.97' 7.52' 29.84' 6.06' 176.78' 309.88'	1.00' 0.75' 2.25 32.97' 7.52' 2.25 29.84' 2.25 6.06' 2.25 176.78' 2.25 309.88' 3.00

Hydraulics:					
1100					
392					
1.178					
19					
17					
106					
230/369					
270/62					
270/62					

Drilling Parameters:				
WOB:	14			
Tot RPM:	125			
Torque:	9500			
P/U Wt:	105			
Rot Wt:	90			
S/O Wt:	80			
Max Pull:	105			
Avg Gas:	150			
Max Gas:	229			
Cnx Gas:	180			
Trip Gas:	0			

Bit Info:

Bit #	Size	Make	Type	S/N	Jets	In	Out	Footage	Hrs	ROP	Grade
1	7 7/8	Smith	M616	JE6752	6X16	402'	7,590'	7,188'	70.5	102.0	1-1-WT-A-X-I-NO-TD

Activity Summary (6:00am - 6:00am)

24.00	HRS

rioning cummary (crocum crocum)					
From	То	Hours	P/U	Summary	
6:00	10:30	4:30		Drlg. F/1104' T/1943' 839'/186.4 fph	
10:30	11:00	0:30		Rig Service FT/BOP	
11:00	11:30	0:30		Survey @ 1943' 1.52 Deg.	
11:30	15:00	3:30		Drlg. F/1943' T/2526' 583'/166.6 fph	
15:00	15:30	0:30		Survey @ 2526' 1.22 Deg.	
15:30	22:30	7:00		Drlg. F/2526' T/3525' 999'/142.7 fph	
22:30	23:00	0:30		Survey @ 3525' 2.01 Deg.	
23:00	4:30	5:30		Drlg. F/3525' T/4028' 503'/91.5 fph	
4:30	5:00	0:30		Survey @ 4028' 3.23 Deg.	
5:00	6:00	1:00		Drlg. F/4028' T/4111' 83.0/83.0 fph	
6:00					

24 Hour Activity Summary:Drill F/1104' T/4111' 3007'/139.9 fph RECEIVED

24 Hour Plan Forward:

Drill Ahead

Safety	
Last BOP Test:	6/12/2011
ROD Tost Pross:	3000

BOP Drill?	Y 2min
Function Test?	Υ
Incident	0

Weather						
High / Low	78/48					
Conditions:	Clear					
Wind:	5 10					

Fuel	
Diesel Used:	926
Diesel Recvd:	4,000
Diesel on Loc:	4,176



Well Name: Coleman Tribal 7-8-4-2E

Report Date:	6/15/2011
Ops @ 6am:	Drilling @ 5735'

Field:	Randlett	Rig Name:	Capstar #316	Report No:	1
Location:	Coleman Tribal 7-8-4-2E	KB:	12	Since Spud:	4
County:	Uintah	Supervisor:	Scott Seely	Spud Date:	6/8/2011
State:	Utah	Supervisor 2:		Rig Start Date:	6/12/2011
Elevation:	5104'	Rig Phone:	435-828-1101	AFE No:	50468D
Formation:	Green River	Rig Email:	sseely@uteenergy.com	Daily Cost:	
				Cum. Cost:	
				Dia Balanca Datas	

Depth (MD): 5,735' PTD (MD): 7,590' Daily Footage: 1,624' Avg ROP: 75.5 Depth (TVD): PTD (TVD): 7,590' **Drilling Hours:** 21.5 Exp TD Date:

7 7/8" Hours: 47.5 Cum 7 7/8" Hours: 47.5

Casing Data: DATA ENTRY

Casing Data. DATA EN	IKI						
Туре	Size	Weight	Grade	Connection	Тор	Bottom	Shoe Test
Conductor	16"	1/4 wall	Line Pipe	Welded	420475146	72' KB	
Surface	8 ⁵ /8 ¹⁰¹	24#	1917 J=551 W	ST&C	4304,12143	377 KB	
Production	5 1/2"	15.5	J-55	LT&C	0'	7570'	

Mud Properties: Type: DAPP Weight: Vis: 9.0 30 PV: YP: 10s Gels: 1 10m Gels: 1 pH: 8.5 **API Filtrate: HPHT Filtrate:** Cake: Oil/H₂O Ratio: ES: MBT: Pm: 0.1 Pf/Mf: .1/.2 % Solids: 3.00 % LGS: 4.20 % Sand: tr LCM (ppb): 0 Calcium: 20 Chlorides: 11,000 DAPP: 2

Surveys: DATA ENTRY					
Depth	Inc	Azi			
898'	0.690				
1,943'	1.56°				
2,526'	1.220				
3,525'	2.010				
4,028'	3.230				
4,486'	3.410				
4,987'	2.710				
5,444'	1.450				
6,483'	3.000				

BHA:						
Component	Length	ID	OD			
Bit	1.00'		7.88			
Dog Sub	0.75'	2.25	7.88			
Mud Motor	32.97'		6.25			
IBS	7.52'	2.25	7.88			
1 DC	29.84'	2.25	6.25			
IBS	6.06'	2.25	7.88			
6 DC	176.78'	2.25	6.25			
10 HWDP	309.88'	3.00	4.50			
Total Length:	564.80					
Hydraulics: Drilling Parameters:						

Hydraulics:				
PP:	1100			
GPM:	392			
TFA:	1.178			
HHP/in ² :	19			
%P @ bit:	17			
Jet Vel:	106			
AV DP/DC:	230/369			
SPR #1:	300/62			
SPR #2:	300/62			

Drilling Parameters:					
WOB:	20				
Tot RPM:	125				
Torque:	10000				
P/U Wt:	125				
Rot Wt:	115				
S/O Wt:	105				
Max Pull:	125				
Avg Gas:	300				
Max Gas:	9,462				
Cnx Gas:	760				
Trip Gas:	0				

Bit Info:

Bit #	Size	Make	Type	S/N	Jets	In	Out	Footage	Hrs	ROP	Grade
1	7 7/8	Smith	M616	JE6752	6X16	402'	7,590'	7,188'	70.5	102.0	1-1-WT-A-X-I-NO-TD

24.00 HRS Activity Summary (6:00am - 6:00am) From То Hours Summary 6:00 12:00 6:00 Drlg. F/4111' T/4468' 357'/59.5 fph 12:00 12:30 0:30 Rig Service 12:30 13:00 0:30 Survey @ 4486' 3.41 Deg Drlg. F/4468' T/4987' 519'/74.1 fph 13:00 20:00 7:00 Survey @ 4987' 2.71 Deg. 20:00 21:00 1:00 21:00 2:30 5:30 Drlg. F/4987' T/5488' 501'/91.1 fph 2:30 3:00 0:30 Survey @ 5488' 1.45 3:00 6:00 3:00 Drlg. F/5488' T/5735' 247'/82.3 fph 6:00 At 4486' had 9462u Gas With 20'-25' Flare

RECEIVED Drill F/4111' T/5735' 1624'/75.5 fph

24 Hour Plan Forward:

Drill Ahead

Safety Last BOP Test: 6/12/2011 **BOP Test Press:** 3000

BOP Drill?	Y 2min
Function Test?	Υ
Incident	0

Weather	
High / Low	82/48
Conditions:	Clear
Wind:	5

Diesel Used: 812 Diesel Recvd: 0 Diesel on Loc: 3.364



Well Name: Coleman Tribal 7-8-4-2E

Report Date: 6/16/2011 Ops @ 6am: Drilling @ 7523'

Field:	Randlett	Rig Name:	Capstar #316	Report No:	1
Location:	Coleman Tribal 7-8-4-2E	KB:	12	Since Spud:	5
County:	Uintah	Supervisor:	Scott Seely	Spud Date:	6/8/2011
State:	Utah	Supervisor 2:		Rig Start Date:	6/12/2011
Elevation:	5104'	Rig Phone:	435-828-1101	AFE No:	50468D
Formation:	Green River	Rig Email:	sseely@uteenergy.com	Daily Cost:	
				Cum. Cost:	
				Rig Release Date:	

Depth (MD): 7,523' PTD (MD): 7,590' Daily Footage: 1,788' Avg ROP: 77.7 Exp TD Date: **Drilling Hours:** Depth (TVD): PTD (TVD): 7,590' 23.0

7 7/8" Hours: 70.5 Cum 7 7/8" Hours: 70.5

BHA:

Casing Data: DATA ENTRY Weight Grade Тор Туре Size Connection Bottom Shoe Test Line Pipe Conductor 16 1/4 wall Welded 72' KB Styndry Number 70 j<u>æ</u>gi Symboli 430407514 б0 (399) кв Surface 7570 Production 5 1/2 15.5 J-55 LT&C 0'

Mud Properties: Type: Weight: Vis: DAPP 9.2 30 YP: 1 10s Gels: 1 10m Gels: 1 pH: 8.5 **API Filtrate:** HPHT Filtrate: Cake: Oil/H₂O Ratio: ES: MBT: Pm: 0.1 Pf/Mf: .1/.2 % Solids: 7.00 % LGS: 6.45 0.25 % Sand: LCM (ppb): 0 Calcium: 20 Chlorides: 11,000 DAPP: 2

Surveys: D	ATA ENT	<u>rry</u>
Depth	Inc	Azi
898'	0.69°	
1,943'	1.56°	
2,526'	1.220	
3,525'	2.010	
4,028'	3.230	
4,486'	3.410	
4,987'	2.710	
5,444'	1.450	
6,483'	3.00°	

Con	nponent	Length		ID	OD	
Bit		1.00'			7.88	
Dog Sub		0.75'		2.25	7.88	
Mud Motor		32.97'			6.25	
IBS		7.52'		2.25	7.88	,
1 DC		29.84'		2.25	6.25	
IBS		6.06'		2.25	7.88	,
6 DC		176.78'		2.25	6.25	
10 HWDP		309.88'		3.00	4.50	1
Total Lengt	h:	564.80				
		_				
Hydra	ulics:	Dril	ling	Parame	ters:	
PP:	1200	WOB:		15 19		
GPM:	392	Tot RPI	M:	125		
TEA.	4.470	Taraus		10000		

Hydraulics:				
PP:	1200			
GPM:	392			
TFA:	1.178			
HHP/in ² :	19			
%P @ bit:	17			
Jet Vel:	106			
AV DP/DC:	230/369			
SPR #1:	300/62			
SPR #2:	300/62			

_					
Drilling Parameters:					
WOB:	15 19				
Tot RPM:	125				
Torque:	10000				
P/U Wt:	150				
Rot Wt:	140				
S/O Wt:	130				
Max Pull:	150				
Avg Gas:	300				
Max Gas:	1,140				
Cnx Gas:	951				
Trip Gas:	0				

Bit Info:

Bit #	Size	Make	Type	S/N	Jets	ln	Out	Footage	Hrs	ROP	Grade
1	7 7/8	Smith	M616	JE6752	6X16	402'	7,590'	7,188'	70.5	102.0	1-1-WT-A-X-I-NO-TD

HRS 24.00 Activity Summary (6:00am - 6:00am) From То Hours Summary 6:00 10:00 4:00 Drlg. F/5735' T/6193' 458'/114.5 fph 10:00 10:30 0:30 Rig Service Drlg. F/6193' T/6483' 290'/64.4 fph 10:30 15:00 4:30 15:30 0:30 Survey @ 6483' 3.00 Deg. 15:00 Drlg. F/6483' T/7523' 1040'/71.7 fph 15:30 6:00 14:30 6:00

24	Hour	Activity	Summary:
----	------	-----------------	----------

Drill F/5735' T/7523' 1788'/77.7 fph

RECEIVED

24 Hour Plan Forward:

Drill To T.D. @ 7590'

Sarety	
Last BOP Test:	6/12/2011
BOP Test Press:	3000

BOP Drill?	N
Function Test?	Y
Incident	0

Weather					
High / Low	76/48				
Conditions:	Cloudy				
Wind:	5 10				

Fuei	
Diesel Used:	986
Diesel Recvd:	0
Diesel on Loc:	2.378



Well Name: Coleman Tribal 7-8-4-2E **Report Date:** 6/17/2011 Ops @ 6am: Wash To Btm. W/5 1/2" Csg.

Length

Field:	Randlett	Rig Name:	Capstar #316	Report No:	1
Location:	Coleman Tribal 7-8-4-2E	KB:	12	Since Spud:	6
County:	Uintah	Supervisor:	Scott Seely	Spud Date:	6/8/2011
State:	Utah	Supervisor 2:		Rig Start Date:	6/12/2011
Elevation:	5104'	Rig Phone:	435-828-1101	AFE No:	50468D
Formation:	Green River	Rig Email:	sseely@uteenergy.com	Daily Cost:	
		_		Cum. Cost:	
				Rig Release Date:	

Depth (MD): 7,590' PTD (MD): 7,590' Daily Footage: 0' Avg ROP: Depth (TVD): PTD (TVD): 7,590' **Drilling Hours:** 0.0 Exp TD Date: 7 7/8" Hours: 70.5

Cum 7 7/8" Hours:

BHA:

Component

70.5

Casing Data: DATA ENTRY Size Weight Grade Shoe Test Type Connection Тор Bottom 1/4 wall Line Pipe 0 J-55 Welded 72' KB 0 000 KB Conductor 8 5/8 Surface Production 5 1/2 J-55 LT&C 7570'

Mud Properties: Type: DAPP Weight: 9.2 Vis: 30 YP: 1 10s Gels: 1 10m Gels: 1 pH: 8.5 API Filtrate: HPHT Filtrate: Oil/H₂O Ratio: ES: MBT: Pm: 0.1 Pf/Mf: .1/.2 % Solids: 7.00 % LGS: 6.97 0.25 % Sand: LCM (ppb): 0 Calcium: 20 Chlorides: 11,000 DAPP: 2.25

		·
Surveys: D/	ATA EN	
Depth	Inc	Azi
898'	0.69°	
1,943'	1.56°	
2,526'	1.220	
3,525'	2.010	
4,028'	3.23°	
4,486'	3.410	
4,987'	2.710	
5,444'	1.45°	
6,483'	3.00°	

Total Lengt	h:
Hydra	ulics:
PP:	1200
GPM:	392
TFA:	1.178
HHP/in ² :	19
%P @ bit:	17
Jet Vel:	106
AV DP/DC:	230/369
SPR #1:	300/62
SPR #2:	300/62

0.00				
	ng	Parame	ters:	
WOB:		15	19	
Tot RPM	1:	1:	25	1
				-1

ID

OD

Drilling Parameters:				
WOB:	15 19			
Tot RPM:	125			
Torque:	10000			
P/U Wt:	150			
Rot Wt:	140			
S/O Wt:	130			
Max Pull:	150			
Avg Gas:				
Max Gas:				
Cnx Gas:				
Trip Gas:				

Bit Info:

DIL IIIIO	•										
Bit #	Size	Make	Type	S/N	Jets	In	Out	Footage	Hrs	ROP	Grade
1	7 7/8	Smith	M616	JE6752	6X16	402'	7,590'	7,188'	70.5	102.0	1-1-WT-A-X-I-NO-TD

Activity Summary (6:00am - 6:00am)			vam)		24.00	HRS
From	То	Hours	P/U	Summary		
6:00	6:30	0:30		Drlg. F/7523' T/7590' 67'/134 fph		
6:30	8:30	2:00		Circ.& Cond.		
8:30	14:00	5:30		TOOH To Log		
14:00	20:00	6:00		R/U Halliburton Ran Triple Combo W/Dir.Log - Loggers TD @ 7591'		
20:00	6:00	10:00		R/U & Ran 173 Jts.5 1/2" 15.5# J-55 With Float Shoe & Collar, 20 Cent.1 On Every Third	Jt. T/5100'	
6:00	6:00	0:00		Washed Last 5 Jts.Down		
6:00						

24	Но	ur	Activ	/ity	Su	mı	mai	y:
<u> </u>	_	$\overline{}$		$\overline{}$				

Circ.& Cond. - Cmt.W/Halliburton RECEIVED

24 Hour Plan Forward:

Move To Ute Tribal 6-9-4-2E

Safety	
Last BOP Test:	6/12/2011
BOP Test Press:	3000

BOP Drill?	N
Function Test?	Υ
Incident	0

Weather	
High / Low	76/47
Conditions:	P/C
Wind:	5

Fuel	
Diesel Used:	580
Diesel Recvd:	0
Diesel on Loc:	1 798



Well Name: Coleman Tribal 7-8-4-2E **Report Date:** 6/18/2011 Ops @ 6am: RD&MO

			•		
Field:	Randlett	Rig Name:	Capstar #316	Report No:	1
Location:	Coleman Tribal 7-8-4-2E	KB:	12	Since Spud:	7
County:	Uintah	Supervisor:	Scott Seely	Spud Date:	6/8/2011
State:	Utah	Supervisor 2:		Rig Start Date:	6/12/2011
Elevation:	5104'	Rig Phone:	435-828-1101	AFE No:	50468D
Formation:	Green River	Rig Email:	sseely@uteenergy.com	Daily Cost:	
		_		Cum. Cost:	
				Pig Polosso Dato:	06/17/11

Depth (MD): 7,590' PTD (MD): 7,590' Daily Footage: 0' Avg ROP: PTD (TVD): Exp TD Date: Depth (TVD): 7,590' **Drilling Hours:** 0.0

7 7/8" Hours: 70.5 Cum 7 7/8" Hours: 70.5

Casing Data: DATA ENTRY Shoe Test Weight Grade Тор Туре Size Connection Bottom Line Pipe Conductor 16 1/4 wall Welded 72' KB Styndry Numbarr 70 j<u>æ</u>gi Symber 430407514 б0 (399) кв Surface 15.5 7570' Production 5 1/2 J-55 LT&C 0'

Mud Properties	:
Type:	
Weight:	
Vis:	
PV:	
YP:	
10s Gels:	
10m Gels:	
pH:	
API Filtrate:	
HPHT Filtrate:	
Cake:	
Oil/H ₂ O Ratio:	
ES:	
MBT:	
Pm:	
Pf/Mf:	
% Solids:	
% LGS:	
% Sand:	
LCM (ppb):	
Calcium:	
Chlorides:	
DAPP:	

Surveys: DATA ENTRY				
Depth	Inc	Azi		
898'	0.69°			
1,943'	1.56°			
2,526'	1.220			
3,525'	2.010			
4,028'	3.230			
4,486'	3.410			
4,987'	2.710			
5,444'	1.45°			
6,483'	3.00°			

BHA:						
Component		_ength		ID	OD	
					 	
Total Length:		0.00				
	_					
Hydraulics:			ling	Parame	ters:	
PP:		WOB:				
GPM:		Tot RP	M:			

Hydra	ulics:		
PP:	-		
GPM:			
TFA:			
HHP/in ² :	-		
%P @ bit:	-		
Jet Vel:	-		
AV DP/DC:	-		
SPR #1:			
SPR #2:	-		

_					
Drilling Parameters:					
WOB:					
Tot RPM:					
Torque:					
P/U Wt:					
Rot Wt:					
S/O Wt:					
Max Pull:					
Avg Gas:					
Max Gas:					
Cnx Gas:					
Trip Gas:					

Bit Info:

	=										
Bit #	Size	Make	Type	S/N	Jets	In	Out	Footage	Hrs	ROP	Grade
1	7 7/8	Smith	M616	JE6752	6X16	402'	7,590'	7,188'	70.5	102.0	1-1-WT-A-X-I-NO-TD
Activity	Summary (6:00am - 6:0	0am)			-	-	-			0.38 HRS

Hours From То Summary 6:00 8:00 2:00 Circ.& Cond. F/Cmt. 12:00 4:00 R/U & Cmt. With Halliburton Lead Cmt.Extendacem 265sk Wt.10.5 Yld.4.74 224 bbl - Tail Cmt. 8:00 12:00 12:00 0:00 Econocem 545sk Wt.13.5 Ydl.1.47 143 bbl, Dropped Plug & Disp.W/179bbl Clayfix Water Pumped @ 12:00 12:00 0:00 6/2 BPM, Plug Bumped Floats Held, Intrm. Returns, No Cmt. To Surf. Landed Plug W/1200psi Press.Up 1900 12:00 15:00 3:00 Nipple Down BOP & Clean Mud Tanks 15:00 Rig Released @ 15:00 6/17/2011

24	Hour	Activity	Summar	۷-
	HOUL	ACTIVITY	Oullilliai	, .

Cmt. W/Halliburton - RD&MO To Ute Tribal 6-9-4-2E **RECEIVED** 24 Hour Plan Forward:

Rig Up - Press. Test - Drill Out

Safety	
Last BOP Test:	6/12/2011
BOP Test Press:	3000

BOP Drill?	N
Function Test?	Y
Incident	0

Weather	
High / Low	
Conditions:	
Wind:	

ruei	
Diesel Used:	148
Diesel Recvd:	
Diesel on Loc:	1,650

Sundry Number: 16645 API Well Number: 43047514960000

			FORM 9		
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE	i.c			
DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: EDA 14-20-H62-6		
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	sals to drill new wells, significantly deepen ıgged wells, or to drill horizontal laterals. U		7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: COLEMAN TRIBAL 7-8-4-2E		
2. NAME OF OPERATOR: UTE ENERGY UPSTREAM HOLD	DINGS LLC		9. API NUMBER: 43047514960000		
3. ADDRESS OF OPERATOR: 1875 Lawrence St Ste 200 , D		NE NUMBER: 0-3235 Ext	9. FIELD and POOL or WILDCAT: WILDCAT		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1941 FNL 1987 FEL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWNE Section: 08	(P, RANGE, MERIDIAN: Township: 04.0S Range: 02.0E Meridian: \	J	STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
✓ SUBSEQUENT REPORT	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS ☐ FRACTURE TREAT	☐ CONVERT WELL TYPE ☐ NEW CONSTRUCTION		
Date of Work Completion: 7/8/2011	☐ OPERATOR CHANGE	PLUG AND ABANDON	□ PLUG BACK		
SPUD REPORT	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	☐ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON		
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL		
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION		
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:		
Ute Energy Upstrea	MPLETED OPERATIONS. Clearly show all perim Holdings LLC reports first proleman Tribal 7-8-4-2E on Frid	roduction of hydrocarbons day, July 8, 2011. A U Oil	Accepted by the Utah Division of I, Gas and Mining R RECORD ONLY		
NAME (PLEASE PRINT) Lori Browne	PHONE NUMBER 720 420-3246	TITLE Regulatory Specialist			
SIGNATURE	, _ 0 , _ 0	DATE			
N/A		7/12/2011			

Phone Number: <u>(720)</u> 420-3200

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY ACT	TION FORM
Ute Energy Upstream Holdings LLC	Operator Account Number: N 3730
1875 Lawrence Street Suite 200	
city Denver	

\Mall 4

Operator:

Address:

state CO

API Number	Well	QQ	Sec	Twp	Rng	County		
4304751496	Coleman Tribal 7-8-4	-2E	SWNE	SWNE 8 4			Uintah	
Action Code	Current Entity Number	New Entity Number			te	Entity Assignmer Effective Date		
A 99999		18074	6/8/2011			6/22/11		

zip 80202

Well 2

API Number	Well I	Name	QQ	Sec	Twp	Rng	County	
Action Code	Current Entity Number	New Entity Number	S	Spud Date		Entity Assignment Effective Date		
Comments:						<u> </u>		

Well 3

API Number	Well	Vame	QQ	QQ Sec		Rng	County
Action Code	Current Entity Number	New Entity Number	S	Spud Date		Entity Assignment Effective Date	
Comments:						RE	CEIVED

JUN 13 2011

ACTION CODES:

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

Lo	ri	R	'n	\/\	16
-	t I	_	v	vv i	10

DIM OF CIL, CAS A MINING

Name (Please Print)

Signature

Regulatory Specialist

6/8/2011

Title

Date

Rachel Medina - RE: confidential well data

From:

Rachel Garrison <rgarrison@uteenergy.com> "'Rachel Medina'" <rachelmedina@utah.gov>

To: Date:

2/7/2012 8:19 AM

Subject: RE: confidential well data

CC:

Lori Browne <LBrowne@uteenergy.com>, Jenn Mendoza <JMendoza@uteenergy.com>

UTE ENERGY request for Confidentiality

Hi Rachel,

Our Engineering team would like to make all 174 permits we have submitted since December, 2010 confidential - is this possible? Is it easy to apply a "blanket confidentiality" to all Ute Energy Upstream Holdings LLC permits?

Lori Browne and Jenn Mendoza (our Regulatory Specialists) will click confidential on all permits we submit going forward.

Thanks!

Rachel Garrison

Regulatory Manager Ute Energy, LLC 1875 Lawrence Street, Suite 200 Denver, CO 80202 (720) 420-3235 (direct) (720) 940-7259 (cell)

From: Rachel Medina [mailto:rachelmedina@utah.gov]

Sent: Wednesday, December 21, 2011 9:05 AM

To: Rachel Garrison

Subject: Fwd: confidential well data

What are the well's your looking at and I'll go see what we have marked.

A confidential well will stay confidential until 13 months after the completion date. The only information that the public can request is the APD and APD letter. However, when a well is confidential there will be nothing on the live data search on our website because there isn't a ways to break the file up so they can only see the APD.

>>> Diana Mason 12/21/2011 7:37 AM >>> Can you help Rachel on this? Thank you

>>> Rachel Garrison <rgarrison@uteenergy.com> 12/19/2011 11:04 AM >>> Diana,

Our Engineering team is requesting that well completion reports and well logs be kept confidential on the DOGM

website. Lori Browne (Regulatory Specialist) and I noticed a check box on the online permit system where one can click confidential, but does this make all information related to the well confidential (permit, sundries, completion reports, production reports and logs)?

If this step does make all the information confidential, how long does the information stay confidential?

Thank you for your assistance.

Rachel Garrison Regulatory Manager Ute Energy, LLC 1875 Lawrence Street, Suite 200 Denver, CO 80202 (720) 420-3235 (direct) (720) 940-7259 (cell)

This email communication and any files transmitted with it may contain confidential and or proprietary information and is provided for the use of the intended recipient only. Any review, retransmission or dissemination of this information by anyone other than the intended recipient is prohibited. If you receive this email in error, please contact the sender and delete this communication and any copies immediately. Thank you. Ute Energy, LLC. http://www.uteenergy.com

Sundry Number: 25556 API Well Number: 43047514960000 FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-6288
SUNDF	RY NOTICES AND REPORTS O	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro- current bottom-hole depth, FOR PERMIT TO DRILL form	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.	eepen existing wells below tal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: COLEMAN TRIBAL 7-8-4-2E
2. NAME OF OPERATOR: UTE ENERGY UPSTREAM HO	DLDINGS LLC		9. API NUMBER: 43047514960000
3. ADDRESS OF OPERATOR: 1875 Lawrence St Ste 200		PHONE NUMBER: 0 420-3235 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1941 FNL 1987 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SWNE Section:	HIP, RANGE, MERIDIAN: 08 Township: 04.0S Range: 02.0E Meridi	an: U	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATI	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start.	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN [FRACTURE TREAT	NEW CONSTRUCTION
7/7/2011	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
 	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT			
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
I .	COMPLETED OPERATIONS. Clearly show al		
Please see attach	ed application to commingle	producing formations.	Accepted by the Utah Division of Oil, Gas and Mining
			Date: June 26, 2012
			Date: Odile 20, 2012
			By: Ust Klunt
NAME (PLEASE PRINT)	PHONE NUMBE		
Lori Browne	720 420-3246	Regulatory Specialist	
SIGNATURE N/A		DATE 5/10/2012	

In accordance with Utah Division of Oil, Gas, and Mining's Rule 649-3-22, Completion Into Two Or More Pools, Ute Energy is submitting this sundry to request commingling approval for the Wasatch and Green River formations based on the following conclusions:

- Oil and associated gas compositions are similar across all formations.
- The respective well is located within a 40-acre unspaced unit
- The pressure profile across the formations is similar and Ute Energy does not anticipate any cross flow.
- Following commingling, production will be considered to be from one pool.
- In the event that allocation by zone or interval is required, Ute Energy would use representative sampling obtained from production logs and allocate on a percentage basis by zone or interval.

A letter, an affidavit(s) of notice, and plat are attached.



UTE ENERGY LLC

1875 Lawrence Street, Suite 200 Denver, CO 80202 Phone: (720) 420-3200

Fax: (720) 420-3201

April 13, 2012

Utah Division of Oil, Gas & Mining Attention: Dustin Doucet 1594 West North Temple, Suite 1120 Salt Lake City, Utah 84116

RE:

Sundry Notices

Coleman Tribal 7-8-4-2E Uintah County, UT

Dear Mr. Doucet:

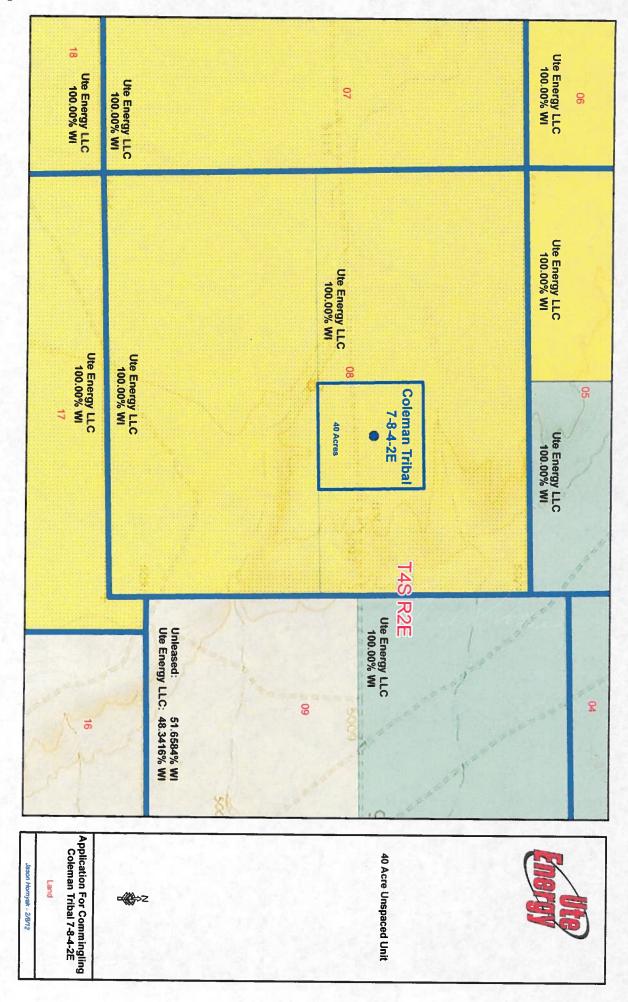
Ute Energy has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the subject well. Pursuant to the Utah OGM regulations, we have enclosed a copy of the Sundry Notice, a plat showing the owners of contiguous leases, as well as an affidavit confirming notice.

If you should have any questions regarding these Sundry Notices, please feel free to contact me at 720-420-3224.

Sincerely,

Ashley Ellison Landman

Enclosures



AFFIDAVIT OF NOTICE

Todd Kalstrom, of lawful age, after having first duly sworn upon his oath, disposes and states:

That he is employed by Ute Energy Upstream Holdings LLC ("Ute") as Vice President of Land and Business Development. Ute has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Randlett Exploration and Development Agreement Area:

Coleman Tribal 7-8-4-2E

SWNE Section 8 T4S-R2E

That in compliance with the Utah OGM regulation R649-3-22, I would have provided a copy of the Sundry Notices to the owners of all contiguous oil and gas leases or drilling units overlying the pool, however, Ute is the only such owner, and therefore I have not needed to contact any additional owners.

Date: April 13, 2012

Affiant

Todd Kalstrom

VP of Land and Business Development

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

					Operator Na	ame Chan	ge/Merger				
T	he operator of the well(s) listed below has chan	ged, e	ffective	e:	11/30/2012						
FR	OM: (Old Operator):				TO: (New O	perator):					
N37	30- Ute Energy Upstream Holdings, LLC				N3935- Cresce		ergy U.S. Corp		•		
187	5 Lawrence Street, Suite 200				555 17th Street		<i>5</i> ,				
Den	ver, CO 80212				Denver, CO 80	•					
							•				
Pho	ne: 1 (720) 420-3238				Phone: 1 (720)	880-3610					
	CA No.				Unit:	N/A					
WE	LL NAME	SEC	TWN	RNG	API NO	ENTITY	LEASE TYPE	WELL	WELL		
						NO		TYPE	STATUS		
See	Attached List				,						
Ωħ	ED ATOD CHANCES DOCUMENT	A SELEC	027								
	ERATOR CHANGES DOCUMENT	ATI	UN								
_	er date after each listed item is completed			41	EODMED	4	0/1/0012				
1.	(R649-8-10) Sundry or legal documentation wa						2/1/2013				
2.	(R649-8-10) Sundry or legal documentation wa				-		2/1/2013	•			
3.	The new company was checked on the Depart		of Con	nmerce					2/11/2013		
4a.	Is the new operator registered in the State of U(R649-9-2)Waste Management Plan has been re		ا سمام		Business Numb	oer:	7838513-0143				
					Yes	-					
	Inspections of LA PA state/fee well sites comp				Not Yet	-					
	Reports current for Production/Disposition & S			- DIA 1	2/11/2013	-	1				
0.	Federal and Indian Lease Wells: The BI										
7	or operator change for all wells listed on Feder	ai or i	ndian i	leases c	on:	BLM	Not Yet	BIA	_ Not Yet		
7.	Federal and Indian Units:			_							
0	The BLM or BIA has approved the successor		_			:	N/A	•			
δ.	Federal and Indian Communization Ag		•	•	•						
_	The BLM or BIA has approved the operator						N/A				
9.	Underground Injection Control ("UIC"							ity to			
.	Inject, for the enhanced/secondary recovery ur	iit/pro	ject for	r the wa	ater disposal we	ll(s) listed o	n:	N/A	_		
	TA ENTRY:										
	Changes entered in the Oil and Gas Database				2/25/2013	- .					
2.	Changes have been entered on the Monthly Op	perate	or Cha	inge Sp			2/25/2013				
3.	Bond information entered in RBDMS on:				1/15/2013	- .		,			
4. 5.	Fee/State wells attached to bond in RBDMS or Injection Projects to new operator in RBDMS				2/26/2013	-					
5. 6.	Receipt of Acceptance of Drilling Procedures if		DD/Nav	v on:	N/A	2/1/2013					
	OND VERIFICATION:	.01 731	Direct	v OII.		2/1/2015	-				
1.	Federal well(s) covered by Bond Number:				LPM9080275						
2.	Indian well(s) covered by Bond Number:				LPM9080275	_					
3a.	(R649-3-1) The NEW operator of any state/fe	e wel	l(s) list	ted cov			LPM 9080271				
3b.	The FORMER operator has requested a releas				-	Not Yet		-			
		_					_				
LE	ASE INTEREST OWNER NOTIFIC	CATI	ON:				-				
4. ((R649-2-10) The NEW operator of the fee wells	s has t	oeen co	ntacted	d and informed b	by a letter fr	om the Division				
	of their responsibility to notify all interest owner	rs of	this cha	ange on	ı:	2/26/2013					
00	MMENTS:										

Well Name	GE CONTON	CENTER IN Y	22.0	API	Lesase	Well	Well
ULT 13-25-3-1E	SECTION 25	TWN 030S	RNG	Number Entit		Type	Status
DEEP CREEK 15-25-3-1E	25	030S	010E	4304751890	Fee	OW	APD
ULT 2-35-3-1E	35	030S	010E 010E	4304751892 4304751893	Fee	OW	APD
ULT 3-35-3-1E	35	030S	010E	4304751894	Fee	OW OW	APD
MARSH 11-35-3-1E	35	030S	010E	4304751896	Fee Fee	OW	APD
JLT 4-35-3-1E	35	030S	010E	4304751899	Fee	OW	APD
ULT 9-6-4-2E	06	040S	020E	4304751916	Fee	OW	APD
DEEP CREEK 14-23-3-1E	23	030S	010E	4304751919	Fee	OW	APD APD
DEEP CREEK 14-24-3-1E	24	030S	010E	4304751921	Fee	OW	APD
DEEP CREEK 15-24-3-1E	24	0308	010E	4304751922	Fee	OW	APD
DEEP CREEK 16-24-3-1E	24	030S	010E	4304751923	Fee	ow	APD
DEEP CREEK 6-25-3-1E	25	030S	010E	4304751926	Fee	OW	APD
MARSH 12-35-3-1E	35	030S	010E	4304751927	Fee	ow	APD
JLT 15-6-4-2E	06	040S	020E	4304751928	Fee	OW	APD
DEEP CREEK 9-25-3-1E	25	030S	010E	4304751929	Fee	OW	APD
DEEP CREEK 8-25-3-1E	25	030S	010E	4304751930	Fee	OW	APD
JLT 8-36-3-1E	36	030S	010E	4304751931	Fee	OW	APD
JLT 11-6-4-2E	06	040S	020E	4304751932	Fee	OW	APD
JLT 11-36-3-1E	36	030S	010E	4304751933	Fee	OW	APD
JLT 13-6-4-2E	06	040S	020E	4304751934	Fee	OW	APD
JLT 1-35-3-1E	35	030S	010E	4304751935	Fee	OW	APD
DEEP CREEK 1-25-3-1E	25	030S	010E	4304752032	Fee	OW	APD
DEEP CREEK 3-25-3-1E	25	030S	010E	4304752033	Fee	ow	APD
DEEP CREEK 10-25-3-1E	25	030S	010E	4304752034	Fee	OW	APD
SENATORE 12-25-3-1E	25	030S	010E	4304752039	Fee	OW	APD
JLT 3-36-3-1E	36	030S	010E	4304752042	Fee	OW	APD
JLT 10-36-3-1E.	36	030S	010E	4304752043	Fee	OW	APD
JLT 12-36-3-1E	36	030S	010E	4304752044	Fee	OW	APD
JLT 8-35-3-1E	35	030S	010E	4304752045	Fee	OW	APD
JLT 6-35-3-1E	35	030S	010E	4304752048	Fee	OW	APD
ЛТ 12-34-3-1E	34	030S	010E	4304752123	Fee	OW	APD
JLT 10-34-3-1E	34	030S	010E	4304752125	Fee	OW	APD
JTE TRIBAL 15-32-3-2E	32	030S	020E	4304752195	Indian	OW	APD
JTE TRIBAL 16-5-4-2E	05	040S	020E	4304752196	Indian	OW	APD
JTE TRIBAL 11-4-4-2E	04	040S	020E	4304752197	Indian	OW	APD
JTE TRIBAL 13-4-4-2E	04	040S	020E	4304752198	Indian	OW	APD
JTE TRIBAL 14-4-4-2E	04	040S	020E	4304752199	Indian	OW	APD
JTE TRIBAL 4-9-4-2E	09	040S	020E	4304752200	Indian	OW	APD
JTE TRIBAL 14-10-4-2E JTE TRIBAL 2-15-4-2E	10	040S	020E	4304752201	Indian	OW	APD
JTE TRIBAL 2-15-4-2E JTE TRIBAL 7-15-4-2E	15 15	0408	020E	4304752202	Indian	OW	APD
JTE TRIBAL 7-13-4-2E JTE TRIBAL 8-15-4-2E		040S	020E	4304752203	Indian	OW	APD
JTE TRIBAL 8-13-4-2E JTE TRIBAL 9-16-4-2E	15	040S	020E	4304752204	Indian	OW	APD
JTE TRIBAL 9-10-4-2E JTE TRIBAL 11-16-4-2E	16 16	040S 040S	020E 020E	4304752205	Indian	OW	APD
JTE TRIBAL 11-10-4-2E	16	040S	020E	4304752206	Indian	OW	APD
JTE TRIBAL 15-16-4-2E	16	040S	020E	4304752207	Indian	OW	APD
COLEMAN TRIBAL 10-18-4-2E	18	040S	020E	4304752208 4304752210	Indian	OW	APD
DEEP CREEK TRIBAL 5-17-4-2E	17	040S	020E	4304752211	Indian Indian	OW OW	APD
COLEMAN TRIBAL 9-17-4-2E	17	040S	020E	4304752211	Indian	OW	APD APD
COLEMAN TRIBAL 10-17-4-2E	17	040S	020E	4304752212	Indian	OW	
COLEMAN TRIBAL 11-17-4-2E	17	040S	020E	4304752214	Indian	OW	APD APD
COLEMAN TRIBAL 14-17-4-2E	17	040S	020E	4304752215	Indian	OW	APD
COLEMAN TRIBAL 15X-18D-4-2E	18	040S	020E	4304752216	Indian	OW	APD
COLEMAN TRIBAL 16-17-4-2E	17	040S	020E	4304752217	Indian	ow	APD
COLEMAN TRIBAL 16-18-4-2E	18	040S	020E	4304752218	Indian	OW	APD
COLEMAN TRIBAL 13-17-4-2E	17	040S	020E	4304752219	Indian	OW	APD
DEEP CREEK TRIBAL 4-25-3-1E	25	030S	010E	4304752222	Indian	OW	APD
DEEP CREEK TRIBAL 3-5-4-2E	05	040S	020E	4304752223	Indian	OW	APD
DEEP CREEK TRIBAL 5-5-4-2E	05	040S	020E	4304752224	Indian	OW	APD
DEEP CREEK TRIBAL 4-5-4-2E	05	040S	020E	4304752225	Indian	OW	APD
DEEP CREEK TRIBAL 6-5-4-2E	05	040S	020E	4304752226	Indian	OW	APD
DEEP CREEK 9-9-4-2E	09	040S	020E	4304752409	Fee	OW	APD
DEEP CREEK 13-9-4-2E	09	040S	020E	4304752410	Fee .	ow	APD
DEEP CREEK 15-9-4-2E	09	040S	020E	4304752411	Fee	ow	APD

Well Name	SECTION	TXX/NI	DNC	API	TC 424	Lesase	Well	Well
DEEP CREEK 1-16-4-2E	SECTION 16	040S	RNG 020E	Number	Entity	Туре	Type	Status
DEEP CREEK 3-16-4-2E	16	040S	020E 020E	4304752412		Fee	OW	APD
DEEP CREEK 7-9-4-2E	09	040S	020E 020E	4304752413 4304752414		Fee	OW	APD
DEEP CREEK 11-9-4-2E	09	040S	020E	4304752414		Fee Fee	OW OW	APD
DEEP CREEK 5-16-4-2E	16	040S	020E	4304752415		Fee	OW	APD
ULT 14-5-4-2E	05	040S	020E	4304752416		Fee	OW	APD
DEEP CREEK 7-16-4-2E	16	040S	020E	4304752417		Fee	OW	APD
DEEP CREEK 11-15-4-2E	15	040S	020E	4304752418		Fee	OW	APD APD
ULT 13-5-4-2E	05	040S	020E	4304752422		Fee	OW	
DEEP CREEK 13-15-4-2E	15	040S	020E	4304752423		Fee	OW	APD
DEEP CREEK 15-15-4-2E	15	040S	020E	4304752424		Fee	OW	APD APD
DEEP CREEK 16-15-4-2E	15	040S	020E	4304752425		Fee	OW	APD
BOWERS 5-6-4-2E	06	040S	020E	4304752427		Fee	OW	
BOWERS 6-6-4-2E	06	040S	020E	4304752427		Fee	OW	APD APD
BOWERS 7-6-4-2E	06	040S	020E	4304752428		Fee	OW	APD
BOWERS 8-6-4-2E	06	040S	020E	4304752430		Fee	OW	
DEEP CREEK 8-9-4-2E	09	040S	020E	4304752431		·	OW	APD
DEEP CREEK 10-9-4-2E	09	040S	020E			Fee		APD
DEEP CREEK 12-9-4-2E	09	040S	020E 020E	4304752439		Fee	OW	APD
DEEP CREEK 14-9-4-2E	09	040S	020E 020E	4304752440		Fee	OW	APD
DEEP CREEK 2-16-4-2E	16	040S	020E 020E	4304752445	·	Fee	OW	APD
DEEP CREEK 2-10-4-2E DEEP CREEK 16-9-4-2E	09	040S 040S		4304752446		Fee	OW	APD
DEEP CREEK 16-9-4-2E DEEP CREEK 4-16-4-2E	16		020E	4304752447		Fee	OW	APD
DEEP CREEK 4-16-4-2E		040S	020E	4304752448		Fee	OW	APD
DEEP CREEK 8-16-4-2E DEEP CREEK 8-16-4-2E	16	040S	020E	4304752449		Fee	OW	APD
DEEP CREEK 12-15-4-2E	16	0408	020E	4304752450		Fee	OW	APD
	15	040S	020E	4304752451		Fee	OW	APD
DEEP CREEK 14-15-4-2E DEEP CREEK 12-32-3-2E		0408	020E	4304752452		Fee	OW	APD
DEEP CREEK 12-32-3-2E	32	0308	020E	4304752453		Fee	OW	APD
W	32	0308	020E	4304752455		Fee	OW	APD
JLT 9-34-3-1E	34	0308	010E	4304752462		Fee	OW	APD
JLT 11-34-3-1E	34	0308	010E	4304752463		Fee	OW	APD
JLT 13-34-3-1E	34	030S	010E	4304752464		Fee	OW	APD
JLT 14-34-3-1E	34	0308	010E	4304752465		Fee	OW	APD
JLT 15-34-3-1E	34	0308	010E	4304752466		Fee	OW	APD
COLEMAN TRIBAL 2-7-4-2E COLEMAN TRIBAL 4-7-4-2E	07	0408	020E	4304752472		Indian	OW	APD
	07	040S	020E	4304752473		Indian	OW	APD
COLEMAN TRIBAL 6-7-4-2E	07	0408	020E	4304752474		Indian	OW	APD
COLEMAN TRIBAL 8-7-4-2E	07	040S	020E	4304752475		Indian	OW	APD
DEEP CREEK TRIBAL 10-7-4-2E	07	040S	020E	4304752476		Indian	OW .	APD
DEEP CREEK TRIBAL 12-7-4-2E	07	040S	020E	4304752477		Indian	OW	APD
DEEP CREEK TRIBAL 14-7-4-2E	07	040S	020E	4304752478		Indian	OW	APD
DEEP CREEK TRIBAL 16-7-4-2E	07	040S	020E	4304752479		Indian	OW	APD
COLEMAN TRIBAL 2-8-4-2E	08	040S	020E	4304752480		Indian	OW	APD
COLEMAN TRIBAL 4-8-4-2E	08	040S	020E	4304752481		Indian	OW	APD
DEEP CREEK TRIBAL 14-8-4-2E	08	040S	020E	4304752482	<u></u>	Indian	OW	APD
DEEP CREEK TRIBAL 12-8-4-2E	08	040\$	020E	4304752483		Indian	OW	APD
COLEMAN TRIBAL 6-8-4-2E	08	0408	020E	4304752484		Indian	OW	APD
COLEMAN TRIBAL 8-8-4-2E	08	040S	020E	4304752485		Indian	OW	APD
DEEP CREEK TRIBAL 16-8-4-2E	08	0408	020E	4304752486		Indian	OW	APD
DEEP CREEK TRIBAL 10-8-4-2E	08	0408	020E	4304752487		Indian	OW	APD
GUSHER FED 14-3-6-20E	03	060S	200E	4304752497		Federal	OW	APD
HORSESHOE BEND FED 14-28-6-21E	28	060S	210E	4304752498		Federal	OW	APD
GUSHER FED 9-3-6-20E	03	0608	200E	4304752499		Federal	OW	APD
GUSHER FED 6-25-6-20E	25	060S	200E	4304752500		Federal	OW	APD
GUSHER FED 8-25-6-20E	25	060S	200E	4304752501		Federal	OW	APD
HORSESHOE BEND FED 11-29-6-21E	29	060S	210E	4304752502	l	Federal	OW	APD
GUSHER FED 1-11-6-20E	11	060S	200E	4304752503		Federal	OW	APD
GUSHER FED 11-22-6-20E	22	060S	200E	4304752504		Federal	OW	APD
GUSHER FED 3-21-6-20E	21	060S	200E	4304752505		Federal	OW	APD
GUSHER FED 16-26-6-20E	26	060S	200E	4304752506		Federal	OW	APD
GUSHER FED 12-15-6-20E	15	060S	200E	4304752507		Federal	OW	APD
GUSHER FED 11-1-6-20E	01	060S	200E	4304752508		Federal	OW	APD
GUSHER FED 1-27-6-20E	27	060S	200E	4304752509		Federal	OW	APD
GUSHER FED 9-27-6-20E	27	060S	200E	4304752510		Federal	OW	APD

Well Name	SECTION	TWN	RNG	API Number	Entity	Lesase Type	Well Type	Well Status
GUSHER FED 1-28-6-20E	28	060S	200E	4304752511	Linuty	Federal	OW	APD
WOMACK 7-8-3-1E	08	030S	010E	4304752880		Fee	OW	APD
Kendall 13-17-3-1E	17	030S	010E	4304752881		Fee	OW	APD
WOMACK 11-9-3-1E	09	030S	010E	4304752882	<u> </u>	Fee	OW	APD
Kendall 11-17-3-1E	17	030S	010E	4304752883		Fee	OW	APD
WOMACK 13-9-3-1E	09	030S	010E	4304752884	I	Fee	OW	APD
WOMACK 3-16-3-1E	16	030S	010E	4304752885		Fee	OW	APD
WOMACK 4-16-3-1E	16	030S	010E	4304752886		Fee	OW	APD
WOMACK 5-8-3-1E	08	030S	010E	4304752887		Fee	OW	APD
Womack 4-7-3-1E	07	030S	010E	4304752888		Fee	OW	APD
WOMACK 5-16-3-1E	16	030S	010E	4304752889		Fee	OW	APD
WOMACK 6-16-3-1E	16	030S	010E	4304752890	<u> </u>	Fee	ÓW	APD
Kendall 5-17-3-1E	17	030S	010E	4304752891		Fee	OW	APD
Kendall 5-9-3-1E	09	030S	010E	4304752892		Fee	OW	APD
KENDALL 12-7-3-1E	07	030S	010E	4304752893		Fee	OW	APD
Kendall 11-8-3-1E	08	030S	010E	4304752894	ļ	Fee	OW	APD
Kendall 4-17-3-1E	17	030S	010E	4304752895		Fee	OW	APD
Kendall 7-9-3-1E	09	030S	010E	4304752896		Fee	OW	APD
Kendall 13-8-3-1E	08	030S	010E	4304752897		Fee	OW	APD
Kendall 16-8-3-1E	08	030S	010E	4304752898		Fee	OW	APD
Kendall 6-9-3-1E	09	030S	010E	4304752898		Fee	OW	APD
KENDALL 15-7-3-1E	07	030S	010E	4304752900	 	Fee	OW	APD
KENDALL 9-8-3-1E	08	030S	010E	4304752901		Fee	OW	APD
KENDALL 13-7-3-1E	07	030S	010E	4304752911		Fee	ow	APD
ULT 3-31-3-2E	31	030S	020E	4304752911		Fee	OW	APD
ULT 6-29-3-2E	29	030S	020E	4304752955		Fee	OW	APD
ULT 5-31-3-2E	31	030S	020E	4304752956	ļ	Fee	OW	APD
ULT 11-31-3-2E	31	030S	020E	4304752957		Fee	OW	APD
ULT 13-31-3-2E	31	0308	020E	4304752958		Fee	OW	APD
ULT 11-29-3-2E	29	030S	020E	4304752959	 	Fee	OW	APD
ULT 13-29-3-2E	29	030S	020E	4304752960		Fee	OW	APD
ULT 5-29-3-2E	29	030S	020E	4304752961		Fee	OW	APD
ULT 4-29-3-2E	29	030S	020E	4304752962		Fee	OW	APD
ULT 14-29-3-2E	29	030S	020E	4304752963		Fee	OW	APD
ULT 3-29-3-2E	29	030S	020E	4304752964		Fee	OW	APD
MERRITT 2-18-3-1E	18	030S	010E	4304752964	<u> </u>	Fee	OW	
MERRITT 3-18-3-1E	18	030S	010E	4304752967				APD
DEEP CREEK 11-20-3-2	20	030S	020E	4304752968	<u> </u>	Fee	OW	APD
DEEP CREEK 14-19-3-2E	19	030S	020E	4304752969		Fee	OW	APD
DEEP CREEK 5-30-3-2E	30	030S	020E 020E	4304752969	i	Fee	OW	APD
DEEP CREEK 11-30-3-2E	30	030S	020E	4304752970		Fee	OW	APD
DEEP CREEK 1-30-3-2E	30	030S	020E	4304752971	<u></u>	Fee	OW	APD
DEEP CREEK 13-20-3-2E	20	030S	020E	4304752972	ļ	Fee	OW	APD
DEEP CREEK 16-29-3-2E					İ	Fee	OW	APD
DEEP CREEK 15-29-3-2E	29	030S 030S	020E 020E	4304752974		Fee	OW	APD
DEEP CREEK 13-29-3-2E DEEP CREEK 11-19-3-2E	19	030S 030S	020E 020E	4304752975 4304752976		Fee	OW	APD
DEEP CREEK 11-19-3-2E DEEP CREEK 14-20-3-2E	20	030S 030S	020E			Fee	OW	APD
DEEP CREEK 12-19-3-2E		4		4304752977	-	Fee	OW	APD
DEEP CREEK 12-19-3-2E	19 19	030S 030S	020E 020E	4304752978		Fee	OW	APD
DEEP CREEK 13-19-3-2E DEEP CREEK 12-20-3-2E		·		4304752979		Fee	OW	APD
DEEP CREEK 1-31-3-2E	20	030\$	020E	4304752980	1	Fee	OW	APD
DEEP CREEK 3-30-3-2E	31	030S	020E	4304752981		Fee	OW	APD
	30	0308	020E	4304752982		Fee	OW	APD
DEEP CREEK 10-29-3-2E DEEP CREEK 7-31-3-2E	29	030\$	020E	4304752983		Fee	OW	APD
	31	0308	020E	4304752984		Fee	OW	APD
UTE ENERGY 16-31-3-2E	31	0308	020E	4304752985		Fee	OW	APD
UTE ENERGY 15-31-3-2E	31	0308	020E	4304752986		Fee	OW	APD
GAVITTE 15-23-3-1E	23	0308	010E	4304752987		Fee	OW	APD
KNIGHT 13-30-3-2E	30	0308	020E	4304752988	1	Fee	OW	APD
KNIGHT 15-30-3-2E	30	0308	020E	4304752989		Fee	OW	APD
MERRITT 7-18-3-1E	18	0308	010E	4304752992	4	Fee	OW	APD
LAMB 3-15-4-2E	15	040S	020E	4304753014	1	Fee	OW	APD
LAMB 4-15-4-2E	15	0408	020E	4304753015		Fee	OW	APD
LAMB 5-15-4-2E	15	040S	020E	4304753016		Fee	OW	APD
LAMB 6-15-4-2E	15	040S	020E	4304753017		Fee	OW	APD

Well Name	SECTION	TWN	RNG	API Number	F-44.	Lesase	Well	Well
DEEP CREEK 9-15-4-2E	15	040S	020E	4304753018	Entity	Type	Type	Status
DEEP CREEK 10-15-4-2E	15	040S	020E	4304753018		Fee	OW	APD
KENDALL 14-7-3-1E	07	030\$	010E	4304753019		Fee	OW OW	APD
WOMACK 1-7-3-1E	07	030S	010E	4304753088		Fee Fee	OW	APD
KENDALL 15-18-3-1E	18	030S	010E	4304753089		Fee	OW	APD
KENDALL 10-18-3-1E	18	030S	010E	4304753090		Fee	OW	APD
KENDALL 16-18-3-1E	18	030\$	010E	4304753091				APD
WOMACK 2-7-3-1E	07	030S	010E	4304753092		Fee	OW	APD
WOMACK 3-7-3-1E	07	030S	010E	4304753094		Fee Fee	OW	APD
KENDALL 9-18-3-1E	18	030S	010E	4304753094				APD
XENDALL 8-18-3-1E	18	030S	010E	4304753095		Fee	OW	APD
SENDALL 1-18-3-1E	18	030S	010E	4304753096		Fee	OW	APD
KENDALL 6-17-3-1E	17	030S	010E			Fee	OW	APD
XENDALL 0-17-3-1E XENDALL 3-17-3-1E	17	030S		4304753098		Fee	OW	APD
ENDALL 3-17-3-1E ENDALL 12-9-3-1E	09	030S	010E	4304753099		Fee	OW	APD
			010E	4304753100		Fee	OW	APD
ENDALL 12-17-3-1E	17	030S	010E	4304753101		Fee	OW	APD
WOMACK 1-8-3-1E	08	0308	010E	4304753104		Fee	OW	APD
WOMACK 2-8-3-1E	08	030S	010E	4304753105		Fee	OW	APD
WOMACK 4.8.3.1E	08	0308	010E	4304753106		Fee	OW	APD
VOMACK 4-8-3-1E	08	030S	010E	4304753107		Fee	OW	APD
WOMACK 6-8-3-1E	08	0308	010E	4304753108		Fee	OW	APD
WOMACK 8-8-3-1E	08	030S	010E	4304753109		Fee	OW	APD
KENDALL 10-8-3-1E	08	030S	010E	4304753110		Fee	OW	APD
KENDALL 12-8-3-1E	08	030S	010E	4304753111		Fee	OW	APD
KENDALL 14-8-3-1E	. 08	030S	010E	4304753112		Fee	OW	APD
ENDALL 2-9-3-1E	09	0308	010E	4304753114		Fee	OW	APD
ENDALL 15-8-3-1E	08	030S	010E	4304753115		Fee	OW	APD
KETTLE 3-10-3-1E	10	0308	010E	4304753116	****	Fee	OW	APD
KETTLE 6-10-3-1E	10	030S	010E	4304753117		Fee	OW	APD
ETTLE 11-10-3-1E	10	030S	010E	4304753118	A	Fee	OW	APD
XETTLE 12-10-3-1E	10	030S	010E	4304753119		Fee	OW	APD
ENDALL 14-17-3-1E	17	030S	010E	4304753120		Fee	OW	APD
ENDALL TRIBAL 14-18-3-1E	18	030S	010E	4304753142		Indian	OW	APD
ENDALL TRIBAL 9-13-3-1W	13	030S	010W	4304753143		Indian	OW	APD
ENDALL TRIBAL 1-13-3-1W	13	030S	010W	4304753144		Indian	OW	APD
CENDALL TRIBAL 13-18-3-1E	18	030S	010E	4304753145		Indian	OW	APD
CENDALL TRIBAL 9-7-3-1E	07	030S	010E	4304753146		Indian	OW	APD
SENDALL TRIBAL 10-7-3-1E	07	030S	010E	4304753147		Indian	OW	APD
ENDALL TRIBAL 12-18-3-1E	18	030S	010E	4304753148		Indian	OW	APD
ENDALL TRIBAL 11-18-3-1E	18	030S	010E	4304753149		Indian	OW	APD
ENDALL TRIBAL 5-18-3-1E	18	030S	010E	4304753150		Indian	OW	APD
ENDALL TRIBAL 4-18-3-1E	18	030S	010E	4304753151		Indian	OW	APD
ENDALL TRIBAL 16-7-3-1E	07	030S	010E	4304753152		Indian	OW	APD
ENDALL TRIBAL 11-7-3-1E	07	030S	010E	4304753153		Indian	OW	APD
EDERAL 12-5-6-20	05	060S	200E	4304750404	18736	Federal	OW	DRL
EDERAL 12-25-6-20	25	060S	200E	4304751235		Federal	OW	DRL
EDERAL 10-26-6-20	26	060S	200E	4304751236		Federal	OW	DRL
DEEP CREEK 7-25-3-1E	25	030S	010E	4304751582	18192	Fee	OW	DRL
COLEMAN TRIBAL 5-7-4-2E	07	040S	020E	4304751733	18375	Indian	OW	DRL
JLT 1-36-3-1E	36	030S	010E	4304751751	18236	Fee	OW	DRL
DEEP CREEK 11-25-3-1E	25	030S	010E	4304751889	18805	Fee	OW	DRL
JLT 9-36-3-1E	36	030S	010E	4304751900	18311	Fee	OW	DRL
JLT 13-36-3-1E	36	030S	010E	4304751901	18312	Fee	OW	DRL
JLT 15-36-3-1E	36	030S	010E	4304751902	18298	Fee	OW	DRL
JLT 8-26-3-1E	26	0308	010E	4304751924	18763	Fee	ow	DRL
DEEP CREEK 2-25-3-1E	25	0308	010E	4304751925			OW	DRL.
COLEMAN TRIBAL 1-7-4-2E	07	040S	020E	4304751937		Indian	OW	DRL
COLEMAN TRIBAL 5-8-4-2E	08	040S	020E	4304751946		Indian	OW	DRL
DEEP CREEK TRIBAL 9-8-4-2E	08	040S	020E	4304752007		Indian	OW	DRL
GAVITTE 2-26-3-1E	26	030S	010E	4304752040	18760		OW	DRL
ZYNDROWSKI 12-27-3-1E	27	030S	010E	4304752116			OW	DRL
JLT 3-34-3-1E	34	030S	010E	4304752124			OW	DRL
SZYNDROWSKI 16-28-3-1E	28	030S	010E	4304752126		·	OW	DRL
SZYNDROWSKI 10-28-3-1E	28	030\$	010E	4304752130			OW	DRL

SZYNDROWSKI 7283-31E 28 030S 010E 4304752131 18715 Fee 0W DRL UTE RIBBAL 4-923-3-2E 30 030S 020E 4304752191 3843 3841 Indian 0W DRL 0845 030S					API		Lesase	Well	Well
UPE TRIBAL 3-30-3-2E	Well Name	SECTION	TWN	RNG		Entity	Type	Type	Status
UPE TRIBAL 4-32-3-2E 32 0.305 0.00E 3404752194 Iss431 Indian 0W DRL									DRL
DEEP CREEK TRIBAL 16-22-3-1E								OW	DRL
BOWERS 1-6-42E									DRL
BOWERS 1-6-4-2E					4304752220	18835	Indian	OW	DRL
BOWERS 2-6-42E					4304752293	18697	Fee	ow	DRL
BOWERS 3-64-2E				020E	4304752419	18871	Fee	OW	DRL
BOWERS 4-64-2E					4304752420	99999	Fee	OW	DRL
GAMTTE 12-73-1E 27 0.00S 0.10E 4304752454 18815 Fee			040S	020E	4304752421	18872	Fee	OW	DRL
GAVITIE 1-27-3-1E					4304752432	18714	Fee	OW	DRL
SYYNDROWSKI 13-273-31E					4304752454	18815	Fee	OW	DRL
LIT 2-34-3-1E	· · · · · · · · · · · · · · · · · · ·			010E	4304752456	18762	Fee	OW	DRL
ULT 4-34-3-IE	SZYNDROWSKI 13-27-3-1E		030S	010E	4304752457	99999	Fee	OW	DRL
ULT 6-34-3-1E			030S	010E	4304752458	18828	Fee	OW	DRL
ULT 6-34-3-1E 34 0308 010E 4304752460 18336 Fee OW DRL ULT 8-34-3-1E 34 0308 010E 4304752461 18338 Fee OW DRL ULT 8-34-3-1E 0308 0708 210E 4304753601 11628 Federal OW P	ULT 4-34-3-1E	34	030S	010E	4304752459	18837	Fee	OW	DRL
HORESISHOE BEND 2	ULT 6-34-3-1E	34	030S	010E	4304752460	18836	Fee	OW	
HORSESHOE BEND 2	ULT 8-34-3-1E		030S	010E	4304752461	18838	Fee	OW	DRL
FED MILLER	HORSESHOE BEND 2	03	070S	210E	4304715800	11628	Federal	ow	
BASER DRAW 1-31 31 060S 220E 4304738031 2710 Federal GW P FEDERAL 34-2-K 34 060S 210E 4304731340 11053 Federal GW P FEDERAL 34-2-K 34 060S 210E 4304731467 10550 Federal GW P FEDERAL 3-1-1 33 060S 210E 4304731467 10550 Federal GW P FEDERAL 3-1-1 35 060S 210E 4304731467 10550 Federal GW P FEDERAL 3-1-1 36 060S 210E 4304731467 10550 Federal GW P FEDERAL 3-1-1 36 060S 210E 4304731467 10580 Federal GW P FEDERAL 3-1-1 31 060S 210E 4304731463 10380 Federal GW P FEDERAL 3-1-1 06 070S 220E 4304731854 10663 Federal GW P FEDERAL 4-2-F 04 070S 210E 4304731854 10663 Federal GW P FEDERAL 4-2-F 04 070S 210E 4304732090 11255 Federal GW P FEDERAL 3-18 18 060S 200E 430473350 11255 Federal GW P GOSE FEDERAL 3-18 18 060S 200E 430473350 11254 Federal GW P GUSHER FED 6-24-6-20 24 060S 200E 430473350 13244 Federal GW P FEDERAL 2-25-6-20 25 060S 200E 430473755 15812 Federal GW P FEDERAL 2-25-6-20 25 060S 200E 430473755 15812 Federal GW P FEDERAL 2-15-6-21 19 060S 210E 430473550 15813 Federal GW P FEDERAL 2-16-6-20 13 060S 200E 430473550 15813 Federal GW P FEDERAL 2-16-6-20 14 060S 200E 430473550 15813 Federal GW P FEDERAL 2-16-6-20 12 060S 200E 430473550 15818 Federal GW P FEDERAL 2-16-6-20 13 060S 200E 430473550 15818 Federal GW P FEDERAL 2-16-6-20 14 060S 200E 430473550 15818 Federal GW P FEDERAL 2-16-6-20 14 060S 200E 430473590 1740 Federal GW P FEDERAL 2-16-6-20 14 060S 200E 430473590 1740 Federal GW P FEDERAL 1-19-6-21 19 060S 200E 430473590 1740 Federal GW P FEDERAL 1-19-6-20 13 060S 200E 430473590 1740 Federal GW P FEDERAL 1-19-6-20 24 060S 200E 430473590 174	FED MILLER 1	04	070S	220E	4304730034	2750	Federal	GW	
FEDERAL 342-K 34 060S 210E 4304731364 11193 Federal OW P	BASER DRAW 1-31		060S	220E	4304730831		·		
FEDERAL 34-2-K FEDERAL 33-1-1 33 060S 210E 4304731467 10550 Federal OW P FEDERAL 33-1-1 33 060S 210E 4304731468 9615 Federal OW P R R R R R R R R R R R R R R R R R R		14	070S	210E		11193	Federal		
FEDERAL 33-1-1 33 060S 210E 430473146S 9615 Federal OW P	FEDERAL 34-2-K		060S	210E					
HORSESHOE BEND ST 36-1 36 060S 210E 4304731482 9815 State GW P	FEDERAL 33-1-I	33	060S	210E		9615	Federal		
COTTON CLUB 1 31	HORSESHOE BEND ST 36-1	36	060S	210E	4304731482				
ANNA BELLE 31-2-J 31 060S 210E 4304731698 10510 Fee OW P BASER DRAW 6-1 06 070S 220E 4304731853 10935 Federal GW P FEDERAL 2-F 04 070S 210E 4304731853 10935 Federal GW P COORS FEDERAL 2-10HB 10 070S 210E 4304731853 10935 Federal GW P GOSE FEDERAL 1-10HB 114 060S 200E 4304732095 11255 Federal GW P GOSE FEDERAL 3-18 18 18 060S 210E 4304732095 11255 Federal OW P GOSE FEDERAL 3-18 18 18 060S 200E 4304733295 11255 Federal OW P GUSHER FED 6-14-6-20 14 060S 200E 4304733561 13244 Federal OW P GUSHER FED 6-24-6-20 24 060S 200E 4304737555 17068 Federal OW P FEDERAL 2-25-6-20 25 060S 200E 4304737555 17068 Federal OW P FEDERAL 2-25-6-20 19 060S 200E 4304737555 17068 Federal OW P FEDERAL 2-19-6-21 19 060S 210E 4304737555 17068 Federal OW P GUSHER FED 5-13-6-20 13 060S 200E 4304737555 17068 Federal OW P GUSHER FED 5-13-6-20 13 060S 200E 4304738403 17401 Federal OW P KNIGHT 14-30 30 030S 200E 4304738499 16466 Fee OW P FEDERAL 14-12-6-20 12 060S 200E 430473898 115484 Fee OW P FEDERAL 14-12-6-20 14 060S 200E 430473899 17404 Federal OW P FEDERAL 14-12-6-20 14 060S 200E 430473899 17404 Federal OW P FEDERAL 14-12-6-20 14 060S 200E 430473990 17185 Federal OW P FEDERAL 14-12-6-20 14 060S 200E 430473990 17185 Federal OW P FEDERAL 14-12-6-20 14 060S 200E 430473990 17185 Federal OW P FEDERAL 14-12-6-20 14 060S 200E 430473990 17185 Federal OW P FEDERAL 14-19-6-21 19 060S 200E 430473990 17185 Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739007 17148 Federal OW P FEDERAL 14-19-6-20 19 060S 200E 4304740030 17190 Federal OW P FEDERAL 14-19-6-20 19 060S 200E 4304740030 17190 Federal OW P FEDERAL 14-19-6-20 19 060S 200E 4304740030 17190 Federal OW P FEDERAL 14-19-6-20 19 060S 200E 4304740030 17190 Federal OW P FEDERAL 14-19-6-20 19 060S 200E 4304740030 17190 Federal OW P FEDERAL 14-19-6-20 19 060S 200E 4304740030 17190 Federal OW P FEDERAL 14-19-6-20 19 060S 200E 4304740030 17190 Federal OW P FEDERAL 14-19-6-20 19 060S 200E 4304740030 17190 Federal OW P FEDERAL 14-19-6-20 19 060S 200E 4304740030 17190 Fede		31	060S	210E	4304731643	10380	Federal		
BASER DRAW 6-1	ANNA BELLE 31-2-J	31	060S	210E	4304731698				7.19.20
FEDERAL 4-2-F	BASER DRAW 6-1	06	070S	220E	4304731834	10863	Federal		
COORS FEDERAL 2-10HB	FEDERAL 4-2-F	04	070S	210E	4304731853	*	The second second		
GOVERNMENT 12-14 14 060S 200E 4304733501 1324F Federal OW P GUSHER FED 6-24-6-20 14 060S 200E 4304733501 1324F Federal OW P GUSHER FED 16-14-6-20 14 060S 200E 4304737555 1706S Federal OW P FEDERAL 2-25-6-20 25 060S 200E 4304737555 1706S Federal OW P FEDERAL 5-19-6-21 19 060S 200E 4304737555 1706S Federal OW P FEDERAL 5-19-6-21 19 060S 200E 4304737557 15812 Federal OW P FEDERAL 5-19-6-21 19 060S 200E 4304738493 1740I Federal OW P KNIGHT 16-30 30 303S 202E 4304738493 1740I Federal OW P FEDERAL 14-12-6-20 12 060S 200E 4304738493 1740I Federal OW P FEDERAL 14-12-6-20 14 060S 200E 4304738499 1740F Federal OW P FEDERAL 2-14-6-20 14 060S 200E 430473899 1740F Federal OW P FEDERAL 2-14-6-20 14 060S 200E 430473899 1740F Federal OW P FEDERAL 14-12-6-20 14 060S 200E 4304738990 1715S Federal OW P FEDERAL 2-3-6-20 23 060S 200E 4304739000 1715S Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739076 1740S Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739076 1740S Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1740F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1740F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1740F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1740F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1740F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1743F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1743F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1743F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1743F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1743F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1743F Federal OW P FEDERAL 14-19-6-21 19 060S 200E 4304739078 1743F Federal OW P FEDERAL 16-13-6-20 13 060S 200E 4304730030 1748F Federal OW P FEDERAL 10-13-6-20 13 060S	COORS FEDERAL 2-10HB	10	070S	210E	4304732009				
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GUSHER FED 6-24-6-20	GUSHER FED 16-14-6-20		060S						
FEDERAL 5-19-6-21	GUSHER FED 6-24-6-20	24	060S	200E					
FEDERAL 5-19-6-21	FEDERAL 2-25-6-20	25	060S						
GUSHER FED 5-13-6-20	FEDERAL 5-19-6-21		060S						
KNIGHT 16-30 30 030S 020E 4304738499 16466 Fee OW P	GUSHER FED 5-13-6-20	13	060S						
RNIGHT 14-30 30 030S 020E 4304738501 15848 Fee OW P	KNIGHT 16-30	30	030S	020E					
FEDERAL 14-12-6-20	KNIGHT 14-30	30	030S	020E					
FEDERAL 2-14-6-20	FEDERAL 14-12-6-20	12		200E					
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Well Name	SECTION	TWN	RNG	Number	Entity	Type	Type	Status
COLEMAN TRIBAL 13-18-4-2E	18	040S	020E	4304751492		Indian	OW	P
COLEMAN TRIBAL 14-18-4-2E	18	040S	020E	4304751493		Indian	OW	P
COLEMAN TRIBAL 15-18-4-2E	18	040S	020E	4304751494		Indian	OW	P
COLEMAN TRIBAL 7-8-4-2E	08	040S	020E	4304751496		Indian	OW	P
DEEP CREEK TRIBAL 7-17-4-2E	17	040S	020E	4304751497	18060		OW	P
UTE TRIBAL 6-32-3-2E	32	030S	020E	4304751555		Indian	OW	P
UTE TRIBAL 1-5-4-2E	05	040S	020E	4304751556		Indian	OW	P
UTE TRIBAL 10-5-4-2E	05	040S	020E	4304751557		Indian	OW	P
UTE TRIBAL 6-9-4-2E	09	040S	020E	4304751558		Indian	OW	P
ULT 10-6-4-2E	06	040S	020E	4304751569			OW	P
ULT 12-6-4-2E	06	040S	020E	4304751571	18138	Fee	OW	P
ULT 16-6-4-2E	06	040S	020E	4304751573	18140	Fee	OW	P
ULT 11-5-4-2E	05	040S	020E	4304751574	18188	Fee	OW	P
DEEP CREEK 13-32-3-2E	32	030S	020E	4304751575	18412	Fee	OW	P
ULT 5-36-3-1E	36	030S	010E	4304751577	18191	Fee	OW	P
ULT 14-36-3-1E	36	030S	010E	4304751579	18181	Fee	OW	P
ULT 16-36-3-1E	36	030S	010E	4304751580	18180	Fee	OW	P
DEEP CREEK 16-25-3-1E	25	030S	010E	4304751583	18235	Fee	OW	P
ULT 14-25-3-1E	25	030S	010E	4304751584	18182		ow	P
ULT 5-26-3-1E	26	030S	010E	4304751650	18229	Fee	OW	P
ULT 7-26-3-1E	26	030S	010E	4304751651	18237		OW	P
ULT 16-26-3-1E	26	030S	010E	4304751652	18231		OW	P
ULT 14-26-3-1E	26	030S	010E	4304751653	18239	Fee	OW	P
ULT 5-34-3-1E	34	030S	010E	4304751654	18283	Fee	OW	P
ULT 7-34-3-1E	34	030S	010E	4304751655	18284	Fee	OW	P
ULT 16-34-3-1E	34	030S	010E	4304751656	18273	Fee	OW	P
ULT 5-35-3-1E	35	030S	010E	4304751657	18214		ow	P
MARSH 14-35-3-1E	35	030S	010E	4304751658	18272		OW	P
SZYNDROWSKI 5-27-3-1E	27	030S	010E	4304751659		The second second	OW	P
ULT 7-35-3-1E	35	030S	010E	4304751660	18222		OW	P
ULT 6-31-3-2E	31	030S	020E	4304751661	18257		OW	P
DEEP CREEK 2-30-3-2E	30	030S	020E	4304751662	18276		OW	P
DEEP CREEK 4-30-3-2E	30	030S	020E	4304751663	18274		OW	P
DEEP CREEK 11-32-3-2E	32	030S	020E	4304751664	18374		OW	P
COLEMAN TRIBAL 1-8-4-2E	08	040S	020E	4304751727	18404		OW	P
COLEMAN TRIBAL 7-7-4-2E	07	040S	020E	4304751728	18398		OW	P
DEEP CREEK TRIBAL 9-7-4-2E	07	040S	020E	4304751729	18402		OW	P
COLEMAN TRIBAL 3-8-4-2E	08	040S	020E	4304751730	18399		OW	P
DEEP CREEK TRIBAL 13-8-4-2E	08	040S	020E	4304751732	18401		OW	P
DEEP CREEK TRIBAL 15-8-4-2E	08	040S	020E	4304751734	18407		OW	P
DEEP CREEK TRIBAL 6-17-4-2E	17	040S	020E	4304751735	18406		OW	P
DEEP CREEK TRIBAL 8-17-4-2E	17	040S	020E	4304751736	18400		OW	P
COLEMAN TRIBAL 12-17-4-2E	17	040S	020E	4304751737	18405		OW	P
COLEMAN TRIBAL 15-17-4-2E	17	040S	020E	4304751738	18397		OW	P
MARSH 13-35-3-1E	35	030S	010E	4304751754			OW	P
ULT 9-26-3-1E	26	030S	010E	4304751755	18230		OW	P
ULT 1-34-3-1E	34	030S	010E	4304751756	18238		OW	P
ULT 6-26-3-1E	26	030S	010E	4304751730	18322		OW	P
ULT 10-26-3-1E	26	030S	010E	4304751875	18323		OW	P
ULT 13-26-3-1E	26	030S	010E	4304751887	18325		OW	P
ULT 15-26-3-1E	26	030S	010E	4304751888			OW	P
ULT 12-26-3-1E	26	030S	010E	4304751888	18324		·	
ULT 6-36-3-1E	36	030S	010E	4304751891	18324		OW OW	P
ULT 2-36-3-1E	36	030S	010E	4304751898	18296		OW	P
GAVITTE 3-26-3-1E	26	030S	010E	4304751917			OW	P
GAVITE 3-20-3-1E	23	030S	010E	4304751917			OW	P
DEEP CREEK 13-24-3-1E	24	030S	010E	4304751918			OW	The state of the s
COLEMAN TRIBAL 3-18-4-2E	18	030S 040S	010E 020E					P
COLEMAN TRIBAL 4-18-4-2E	18	040S		4304751998		·	OW	P
COLEMAN TRIBAL 4-18-4-2E	18	· 	020E	4304751999			OW	P
COLEMAN TRIBAL 1-18-4-2E		0408	020E	4304752000			OW	P
	18	040S	020E	4304752001	18435		OW	P
COLEMAN TRIBAL 3-7-4-2E	07	040S	020E	4304752002		Indian	OW	P
COLEMAN TRIBAL 11-18-4-2E	18	040S	020E	4304752003	18476		OW	P
COLEMAN TRIBAL 12-18-4-2E	18	040S	020E	4304752004	18458	Indian	OW	P

Ute Energy Upstream Holding, LLC (N3730) to Crescent Point Energy U.S. Corp (N3935) Effective 11/30/2012

98 07 07 26 27 27	TWN 040S 040S 040S 030S 030S	020E 020E 020E	Number 4304752008 4304752009	18502		Type OW	Status P
07 07 26 27 27	040S 040S 030S	020E 020E					P
07 26 27 27	040S 030S	020E	4304752009	19400			
26 27 27	0308			18499	Indian	OW	P
27 27		0105	4304752010	18498	Indian	OW	P
27	0205	010E	4304752041	18761	Fee	OW	P
		010E	4304752117	18497	Fee	OW	P
	0308	010E	4304752118	18505	Fee	OW	P
27	030S	010E	4304752119	18496	Fee	OW	P
	030S	010E	4304752120	18515	Fee	ow	P
	030S	010E	4304752121	18500	Fee	OW	P
	030S	010E	4304752122	18506	Fee	OW	P
28	030S	010E	4304752127	18759	Fee	OW	P
28	030S	010E	4304752128	18806	Fee	OW	P
28	030S	010E	4304752132	18716	Fee	OW	P
26	030S	010E	4304752221	18713	Indian	OW	P
36	030S	010E	4304751578	18189	Fee	D	PA
10	060S	200E	4304715590	10341	Federal	OW	S
05	070S	220E	4304715609				S
14	060S	200E	4304730155				S
29	060S	210E					S
30	060S	210E					S
21	060S	210E					S
04	070S	210E					S
05	070S	210E					S
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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AN	ND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attachment
SUNDRY NOTICES AND REPO	ORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See Attachment
Do not use this form for proposals to drill new wells, significantly deepen existing wells drill horizontal laterals. Use APPLICATION FOR PERMIT TO	below current bottom-hole depth, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME: See Attachment
1. TYPE OF WELL	THER	8. WELL NAME and NUMBER: See Attachment
2. NAME OF OPERATOR:		9. API NUMBER:
Crescent Point Energy U.S. Corp N3C935		See Attach
555 17th Street, Suite 750 CHTY Denver	O ZIP 80202 PHONE NUMBER: (720) 880-3610	10. FIELD AND POOL, OR WILDCAT: See Attachment
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attachment		соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INI	DICATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
NOTICE OF INTENT	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) Approximate data water will start.	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS CHANGE TUBING	OPERATOR CHANGE	TUBING REPAIR
SUBSEQUENT REPORT CHANGE WELL NAME	PLUG AND ABANDON PLUG BACK	VENT OR FLARE
(Submit Original Form Only) CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER DISPOSAL WATER SHUT-OFF
Date of work completion:		OTHER:
11/30/2012 CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATIO	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly si	how all pertinent details including dates, depths, volu	umes, etc.
Effective 11/30/2012, Crescent Point Energy U.S. Co owner/operator was:	orp took over operations of the referen	nced wells. The previous
Ute Energy Upstre 1875 Lawrence St Denver, CO 80212		
Effective 11/30/2012, Crescent Point Energy U.S. Co operations conducted on the leased lands or a portion BLM Bond No. LPM9080275. BIA Bond No.:	orp is responsible under the terms and not the terms and note that the terms and the terms are the terms a	d conditions of the leases for //9080271 and LPM 9080272 and
Ute Energy Upstream Holding LLC Print Name: AUTHONY BACOWN Seller Signature:	Title: TREASURER Date: 1/11/2013	
NAME (PLEASE PRINT) Kent Mike hell SIGNATURE	TITLE PUCSIUL	,
APPROVED	RECEIVE FEB 0 1 2013	
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FEB 2 6 2013 (5/2000)

(See Instructions on Rever September Oil, Gas & Mining

DIV. OF OIL, GAS & MAING Original recoacte

Drilled Wells

<u>API</u>	<u>Well</u>	Qtr/Qtr	Section	Ţ	R	Well Status	Well Type	Mineral Lease
4304715590	East Gusher Unit 3	NWNE	10	6S	20E	Producing Well	Oil Well	State -
4304715800	Horseshoe Bend 2	NWNE	03	7S	21E	Producing Well	Oil Well	Federal -
4304730034	Fed Miller 1	NWSW	04	7S	22E	Producing Well	Gas Well	Federal
4304730831	Baser Draw 1-31	NWSW	31	6S	22E	Producing Well	Gas Well	Federal -
4304731304	Coors 14-1-D	NWNW	14	75	21E	Producing Well	Gas Well	Federal -
4304731467	Federal 34-2-K	NESW	34	65	21E	Producing Well	Oil Well	Federal -
4304731468	Federal 33-1-I	NESE	33	6S	21E	Producing Well	Oil Well	Federal -
4304731482	Horseshoe Bend St 36-1	SESE	36	65	21E	Producing Well	Gas Well	State -
4304731588	L C K 30-1-H	SENE	30	6\$	21E	Producing Well	Oil Well	FEE -
4304731626	Stirrup State 32-2	SENE	32	6\$	21E	Producing Well	Oil Well	State –
4304731643	Cotton Club 1	NENE	31	6S	21E	Producing Well	Oil Well	Federal >
4304731698	Anna Belle 31-2-J	NWSE	31	6S	21E	Producing Well	Oil Well	FEE -
4304731834	Baser Draw 6-1	NWNW	06	7S	22E	Producing Well	Gas Well	Federal ~
4304731853	Federal 4-2-F	SENW	04	7S	21E	Producing Well	Oil Well	Federal -
4304732009	Coors Federal 2-10HB	SWNE	10	7S	21E	Producing Well	Gas Well	Federal ~
4304732850	Government 12-14	NWSW	14	6S	20E	Producing Well	Oil Well	Federal -
4304733691	Gose Federal 3-18	swsw	18	6S	21E	Producing Well	Oil Well	Federal -
4304737475	Gusher Fed 16-14-6-20	SESE	14	6S	20E	Producing Well	Oil Well	Federal -
4304737556	Gusher Fed 6-24-6-20	SENW	24	6S	20E	Producing Well	Oil Well	Federal -
4304737557	Federal 2-25-6-20	NWNE	25	6S	20E	Producing Well	Oil Well	Federal -
4304737558	Federal 6-11-6-20	SENW	11	6S	20E	Producing Well	Oil Well	Federal -
4304737559	Federal 5-19-6-21	SWNW	19	6S	21E	Producing Well	Oil Well	Federal -
4304737560	Federal 6-30-6-21	SENW	30	65	21E	Producing Well	Oil Well	Federal -
4304738400	Huber Fed 26-24	SENE	26	5 S	19E	Producing Well	Oil Well	Federal _
4304738403	Gusher Fed 5-13-6-20	SWNW	13	6S	20E	Producing Well	Oil Well	Federal ~
4304738996	Federal 8-13-6-20	SENE	13	6\$	20E	Producing Well	Oil Well	Federal =
4304738997	Federal 14-13-6-20	SESW	13	65	20E	Producing Well	Oil Well	Federal -
4304738998	Federal 14-12-6-20	SESW	12	6\$	20E	Producing Well	Oil Well	Federal -
4304738999	Federal 2-14-6-20	NWNE	14	65	20E	Producing Well	Oil Well	Federal -
4304739000	Federal 8-23-6-20	SENE	23	6S	20E	Producing Well	Oil Well	Federal
4304739076	Federal 8-24-6-20	SENE	24	6S	20E	Producing Well	Oil Well	Federal -
4304739078	Federal 14-24-6-20	SESW	24	6S	20E	Producing Well	Oil Well	Federal -
4304739079	Federal 14-19-6-21	SESW	19	65	21E	Producing Well	Oil Well	Federal ~
4304740487	Federal 16-13-6-20	SESE	13	6\$	20E	Producing Well	Oil Well	Federal _
4304750406	Federal 2-26-6-20	NWNE	26	6S	20E	Producing Well	Oil Well	Federal -
4304750407	Federal 4-9-6-20	NWNW	09	6S	20E	Producing Well	Oil Well	Federal -
4304750408	Federal 8-8-6-20	SENE	08	6S	20E	Producing Well	Oil Well	Federal -
4304750414	Federal 2-17-6-20	NWNE	17	6S	20E	Producing Well	Oil Well	Federal -
4304751228	Federal 2-23-6-20	NWNE	23	6S	20E	Producing Well	Oil Well	Federal -
4304751229	Federal 10-23-6-20	NWSE	23	6S	20E	Producing Well	Oil Well	Federal *
4304751232	Federal 2-24-6-20	NWNE	24	6S	20E	Producing Well	Oil Well	Federal -
4304751233	Federal 4-24-6-20	NWNW	24	6S	20E	Producing Well	Oil Well	Federal -
4304751234	Federal 4-25-6-20	NWNW	25	6S	20E	Producing Well	Oil Well	Federal

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Federal 16-23-6-20	SESE	23	6S	20E	Producing Well	Oil Well	Federal -
Federal 12-24-6-20	NWSW	24	65	20E		Oil Well	Federal -
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					Producing Well	Oil Well	BIA -
Coleman Tribal 5-18-4-2E	SW NW	18	45	2E	Producing Well	Oil Well	BIA -
Coleman Tribal 6-18-4-2E	SE NW	18	45	2E	Producing Well	Oil Well	BIA ~
ULT 12-6-4-2E	NW SW	6	45	2E	Producing Well	Oil Well	FEE -
ULT 10-6-4-2E	NW SE	6	45	2E	Producing Well	Oil Well	FEE
ULT 16-6-4-2E	SE SE	6	45	2E	Producing Well	Oil Well	FEE
ULT 14-6-4-2E	SE SW	6	48	2E	Producing Well	Oil Well	FEE -
ULT 14-31-3-2E	SE SW	31	35	2E	Producing Well	Oil Well	FEE -
ULT 5-36-3-1E	SW NW	36	35	1E	Producing Well	Oil Well	FEE
ULT 16-36-3-1E	SE SE	36	3\$	1E	Producing Well	Oil Well	FEE ~
ULT 12-31-3-2E	NW SW	31	3S	2E	Producing Well	Oil Well	FEE -
ULT 14-36-3-1E	SE SW	36	3S	1.E	Producing Well	Oil Well	FEE .
ULT 14-25-3-1E	SE SW	25	35	1E	Producing Well	Oil Well	FEE
ULT 11-5-4-2E	NE SW	5	45	2E	Producing Well	Oil Well	FEE
Deep Creek 16-25-3-1E	SE SE	25	3\$	1E	Producing Well	Oil Well	FEE
ULT 16-26-3-1E	SE SE	26	3\$	1E	Producing Well	Oil Well	FEE -
Senatore 5-25-3-1E	SW NW	25	35	1E		Oil Well	FEE
Marsh 14-35-3-1E	SE SW	35	35	1E		Oil Well	FEE
				1E			FEE -
							FEE -
							FEE -
IOE AT AU O'AL	1 25 244		-,,		TOUMONG WEN	CII MEII	FEE -
Coleman Tribal 5-7-4-2E	SW NW	7	45	2E	Producing Well	Oil Well	BIA
	Federal 12-24-6-20 Knight 16-30 Eliason 6-30 Knight 14-30 ULT 4-31 Deep Creek 2-31 Deep Creek 8-31 ULT 12-29 Eliason 12-30 Coleman Tribal 11-18-4-2E Coleman Tribal 2-18-4-2E Coleman Tribal 3-18-4-2E Coleman Tribal 13-18-4-2E Coleman Tribal 13-18-4-2E Coleman Tribal 14-18-4-2E Coleman Tribal 15-18-4-2E Coleman Tribal 15-18-4-2E Ute Tribal 6-9-4-2E Ute Tribal 10-5-4-2E Ute Tribal 10-5-4-2E Ute Tribal 10-30-3-2E Coleman Tribal 5-18-4-2E Ute Tribal 6-32-3-2E Ute Tribal 6-4-2E Ute Tribal 10-30-3-2E Coleman Tribal 5-18-4-2E Ute Tribal 10-30-3-2E Ute Tribal 5-18-4-2E Ute Tribal 10-30-3-2E Ute Tribal 10-30-3-2E Ute Tribal 5-18-4-2E Ute Tribal 10-30-3-1E Ute Tibal 6-4-2E Ute Tibal 6-3-3-1E Ute Tibal 6-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3	Federal 12-24-6-20 NWSW	Federal 12-24-6-20 NWSW 24	Federal 12-24-6-20	Federal 12-24-6-20 NWSW 24 65 20E	Federal 12-24-6-20	Federal 12-24-6-20 NWSW 24 65 20E Producing Well Oil Well

- 46 4304751660 ULT 7-35-3-1E SW NF 35 Oil Well 35 1E Producing Well FEE 4304751728 Coleman Tribal 7-7-4-2E SW NE 7 Oil Well BIA 45 **Producing Well** 4304751895 NW NW 36 Oil Well ULT 4-36-3-1E 35 **Producing Well** FEE 4304751729 Deep Creek Tribal 9-7-4-2E NE SE Oil Well 7 45 2E **Producing Well** BIA 4304751746 Deep Creek Tribal 13-7-4-2E SW SW 7 45 2E Oil Well BIA -. Producing Well 4304751998 Coleman Tribal 3-18-4-2E NE NW 18 45 **Producing Well** Oil Well BIA - -4304751730 Coleman Tribal 3-8-4-2E **NE NW** 8 45 2E Producing Well Oil Well BIA --4304752001 Coleman Tribal 1-18-4-2E NE NE 18 Oil Well BIA 45 2E Producing Well 4304752004 Coleman Tribal 12-18-4-2E NW SW 18 45 **Producing Well** Oil Well BIA - -4304751999 Coleman Tribal 4-18-4-2E NW NW 18 45 2E **Producing Well** Oil Well BIA - ... 4304752000 Coleman Tribal 7-18-4-2E SW NE 18 Oil Well 45 2E **Producing Well** BIA - -100 4304751727 Coleman Tribal 1-8-4-2E Oil Well NE NE 8 45 Producing Well BIA . 4304751732 Deep Creek Tribal 13-8-4-2E SW SW 8 45 2E **Producing Well** Oil Well BIA -4304751740-5172 Coleman Tribal 12-17-4-2E (Lot 6) NW SW 17 45 **Producing Well** Oil Well BIA 2E 4304752002 Coleman Tribal 3-7-4-2E NE NW 7 45 **Producing Well** Oil Well BIA 4304751734 Deep Creek Tribal 15-8-4-2E SW SE 8 45 2E **Producing Well** Oil Well BIA 4304751738 Coleman Tribal 15-17-4-2E SW SE 17 45 Oil Well BIA 2E **Producing Well** 4304751735 SE NW 17 Deep Creek Tribal 6-17-4-2E 45 **Producing Well** Oil Well BIA 4304751736 Deep Creek Tribal 8-17-4-2E SE NE 17 45 2E **Producing Well** Oil Well BIA 4304752047 ULT 11-26-3-1E NE SW 26 Oil Well FEE 35 1E Producing Well 4304751575 SW SW Deep Creek 13-32-3-2E 32 3\$ 2E Producing Well Oil Well FEE _ 4304751664 Deep Creek 11-32-3-2E **NE SW** 32 Oil Well 35 2E **Producing Well** FEE Ute Energy 11-27-3-1E 4304752119 **NE SW** 27 35 1E Producing Well Oil Well FEE 4304752120 Ute Energy 15-27-3-1E SW SE 27 3S 1E Producing Well Oil Well FEE ... 4304752118 Ute Energy 10-27-3-1E NW SE 27 35 1E Producing Well Oil Well FEE 4304752122 SE SW 27 Ute Energy 14-27-3-1E Oil Well FEE 3\$ 1E Producing Well 4304751654 SW NW 34 ULT 5-34-3-1E 3\$ 1E Producing Well Oil Well FEE 4304751655 ULT 7-34-3-1E SW NE 34 3\$ 1E Producing Well Oil Well FEE 4304751656 ULT 16-34-3-1E SE SE 34 Oil Well FEE 35 1E **Producing Well** 4304751898 36 ULT 2-36-3-1E NW NE 35 1E Producing Well Oil Well FEE 4304751650 ULT 5-26-3-1E SW NW 26 35 1E **Producing Well** Oil Well FEE 1 2.d 4304751754 Marsh 13-35-3-1E SW SW 35 35 1E Producing Well Oil Well FEE 4304751897 ULT 6-36-3-1E SE NW 36 35 1E Producing Well Oil Well FEE 4304751891 ULT 12-26-3-1E NW SW Oil Well 26 3S 1E Producing Well FEE 4304751887 ULT 13-26-3-1E SW SW 26 **Producing Well** Oil Well FEE 35 1E 4304751875 ULT 10-26-3-1E NW SE 26 Oil Well FEE 35 1E **Producing Well** -4304751918 Gavitte 13-23-3-1F SW SW 23 Oil Well 35 1E Producing Well FEE 4304751662 Deep Creek 2-30-3-2E NW NE 30 Oil Well FEE 35 2E **Producing Well** 4304751917 Gavitte 3-26-3-1E NE NW 26 35 1E FEE **Producing Well** Oil Well -4304751661 ULT 6-31-3-2E SE NW 31 35 2E **Producing Well** Oil Well FEE -4304751663 Deep Creek 4-30-3-2E NW NW 30 35 2E **Producing Well** Oil Well FEE 130 4304752121 Ute Energy 6-27-3-1E SE NW 27 35 1E Oil Well FEE **Producing Well** • Ute Energy 7-27-3-1E 4304752117 SW NE 27 3\$ 1E **Producing Well** Oil Well FEE 4304751920 SW SW 24 Oil Well FEE Deep Creek 13-24-3-1E 35 1E **Producing Well** NE NE 4304751756 ULT 1-34-3-1E 34 35 1E **Producing Well** Oil Well FEE . 4304751888 ULT 15-26-3-1E SW SE Oil Well 26 35 1E Producing Well FEE

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4304751874	ULT 6-26-3-1E	SE NW	26	35	1E	Producing Well	Oil Well	FEE .
4304752194	Ute Tribal 4-32-3-2E	NW NW	32	35	2E	Producing Well	Oil Well	BIA -
4304752193	Ute Tribal 8-30-3-2E	SE NE	30	35	2E	Producing Well	Oil Well	BIA -
4304752221	Deep Creek Tribal 1-26-3-1E	NE NE	26	35	1E	Producing Well	Oil Well	BIA ~
4304752009	Deep Creek Tribal 11-7-4-2E	NE SW	7	45	2E	Producing Well	Oil Well	BIA 140
4304752008	Deep Creek Tribal 11-8-4-2E	NE SW	8	45	2E	Producing Well	Oil Well	BIA
4304752010	Deep Creek Tribal 15-7-4-2E	SW SE	7	45	2E	Producing Well	Oil Well	BIA -
4304752041	Gavitte 4-26-3-1E	NW NW	26	35	1E	Producing Well	Oil Well	FEE -
4304752132	Szyndrowski 8-28-3-1E	SE NE	28	35	1E	Producing Well	Oil Well	FEE -
4304752128	Szyndrowski 9-28-3-1E	NE SE	28	35	1E	Producing Well	Oil Well	FEE -
4304752127	Szyndrowski 15-28-3-1E	SW SE	28	35	1E	Producing Well	Oil Well	FEE _
4304732127	Ouray Valley Fed 3-41	SW SW	3	6S	19E		Oil Well	Federal _
		NW SE				Producing Well		
4304751227	Federal 10-22-6-20		22	6S	20E	Producing Well	Oil Well	Federal -
4304751230	Federal 12-23-6-20	NW SW	23	6S	20E	Producing Well	Oil Well	Federal -
4304751231	Federal 14-23-6-20	SE SW	23	6S	20E	Producing Well	Oil Well	Federal 150
4304751235	Federal 12-25-6-20	NW SW	25	6S	20E	Producing Well	Oil Well	Federal -
4304752432	Bowers 4-6-4-2E	(Lot 4) NW NW	6	45	2E	Producing Well	Oil Well	FEE -
4304752131	Szyndrowski 7-28-3-1E	SW NE	28	35	1E	Producing Well	Oil Well	FEE -
4304752293	ULT 7X-36-3-1E	SW NE	36	35	1E	Producing Well	Oil Well	FEE -
4304750404	Federal 12-5-6-20	NW SW	5	6\$	20E	Producing Well	Oil Well	Federal 🕶
4304752116	Szyndrowski 12-27-3-1E	NW SW	27	35	1E	Producing Well	Oil Well	FEE -
4304751236	Federal 10-26-6-20	NW SE	26	6S	20E	Producing Well	Oil Well	Federal —
4304752126	Szyndrowski 16-28-3-1E	SE SE	28	35	1E	Producing Well	Oil Well	FEE _
4304752040	Gavitte 2-26-3-1E	NW NE	26	35	1E	Producing Well	Oil Well	FEE
4304751889	Deep Creek 11-25-3-1E	NE SW	25	35	1E	Producing Well	Oil Well	FEE 166
4304751924	ULT 8-26-3-1E	SE NE	26	35	1E	Producing Well	Oil Well	FEE -
4304751925	Deep Creek 2-25-3-1E	NW NE	25	35	1E	Producing Well	Oil Well	FEE -
4304752456	Gavitte 1-27-3-1E	NE NE	27	35	1E	Producing Well	Oil Well	FEE _
4304752454	Gavitte 2-27-3-1E	NW NE	27	3\$	1E	Producing Well	Oil Well	FEE -
4304752457	Szyndrowski 13-27-3-1E	SW SW	0	35	1E	Producing Well	Oil Well	FEE _ 165
4304751937	Coleman Tribal 1-7-4-2E	NE NE	7	45	2E	Drilled/WOC	Oil Well	BIA
4304751946	Coleman Tribal 5-8-4-2E	SW NW	8	4S	2E	Drilled/WOC	Oil Well	BIA
4304752007	Deep Creek Tribal 9-8-4-2E	NE SE	8	45	2E	Drilled/WOC	Oil Well	BIA
4304751582	Deep Creek 7-25-3-1E	SW NE	25	35	1E	Drilled/WOC	Oil Well	FEE
4304751751	ULT 1-36-3-1E	NE NE	36	3\$	1E	Drilled/WOC	Oil Well	FEE
4304752130	Szyndrowski 10-28-3-1E	NW SE	28	35	1E	Drilled/WOC	Oil Well	FEE
4304751901	ULT 13-36-3-1E	SW SW	36	35	1E	Drilled/WOC	Oil Well	FEE
4304751902	ULT 15-36-3-1E	SW SE	36	35	1E	Drilled/WOC	Oil Well	FEE
4304751900	ULT 9-36-3-1E	NE SE	36	35	1E	Drilled/WOC	Oil Well	FEE
4304752458	ULT 2-34-3-1E	NE SW	34	35	1E	Drilled/WOC	Oil Well	FEE
4304752220	Deep Creek Tribal 16-23-3-1E	SE SE	23	35	1E	Drilled/WOC	Oil Well	BIA
4304752459	ULT 4-34-3-1E	NW NW	34	35	1E	Drilled/WOC	Oil Well	FEE
4304752460	ULT 6-34-3-1E	SE NW	34	35	1E		Oil Well	FEE
4304752461	ULT 8-34-3-1E	SE NE	34	3S	1E	Drilled/WOC	Oil Well	FEE
						Drilled/WOC		
4304739644	Ouray Valley Federal 1-42-6-19	SE SW	1	6S		Drilled/WOC	Oil Well	Federal
4304739643	Ouray Valley Federal 1-22-6-19	SENW	1	6S	19E	Drilling	Oil Well	Federal

4304752419	Bowers 1-6-4-2E	(Lot 1) NE NE	6	45	2E	Spud, not yet drilled	Oil Well	FEE
4304752420	Bowers 2-6-4-2E	(Lot 2) NW NE	6	45	2E	Spud, not yet drilled	Oil Well	FEE
4304752421	Bowers 3-6-4-2E	(Lot 3) NE NW	6	45	2E	Spud, not yet drilled	Oil Well	FEE
4304732784	Stirrup St 32-6	NENE	32	6S	21E	Active	Water Injection	State
4304731431	E Gusher 2-1A	swsw	03	6S	20E	Temporarily -Abandoned	Oil Well	Federal
4304732333	Federal 11-1-M	SWSW	11	6S	20E	Temporarily -Abandoned	Oil Well	Federal
4304739641	Ouray Vly St 36-11-5-19	NWNW	36	58	19E	Shut-In	Oil Well	State
4304733833	Horseshoe Bend Fed 11-1	NWNE	11	75	21E	Shut-In	Gas Well	Federal
4304731903	Federal 5-5-H	SENE	05	7\$	21E	Shut-in	Oil Well	Federal
4304732709	Government 10-14	NWSE	14	6S	20E	Shut-In	Oil Well	Federal
4304731647	Federal 21-I-P	SESE	21	68	21E	Shut-In	Gas Well	Federal
4304731693	Federal 4-1-D	NWNW	04	75	21E	Shut-In	Oil Well	Federal
4304731634	Stirrup Federal 29-3	SESE	29	6S	21E	Shut-In	Oil Well	Federal
4304731623	Federal 33-4-D	NWNW	33	6S	21E	Shut-In	Oil Well	Federal
4304731508	Stirrup Federal 29-2	NWSE	29	6S	21E	Shut-In	Oil Well	Federal
4304730155	Govt 4-14	NWNW	14	68	20E	Shut-In	Oil Well	Federal
4304715609	Wolf Govt Fed 1	NENE	05	7\$	22E	Shut-In	Gas Well	Federal
4304751578	ULT 7-36-3-1E	SW NE	36	3\$	1E	P&A	Oil Well	FEE

APD APPROVED; NOT SPUDDED

<u>API</u>	<u>Well</u>	Qtr/Qtr	<u>Section</u>	Ţ	<u>R</u>	Well Status	Well Type	Mineral Lease
4304752214	Coleman Tribal 11-17-4-2E	NE SW	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752211	Deep Creek Tribal 5-17-4-2E	(Lot 5) SW NW	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752212	Coleman Tribal 9-17-4-2E	NE SE	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752213	Coleman Tribal 10-17-4-2E	NW SE	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752219	Coleman Tribal 13-17-4-2E	SW SW	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752215	Coleman Tribal 14-17-4-2E	SE SW	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752217	Coleman Tribal 16-17-4-2E	SE SE	17	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752210	Coleman Tribal 10-18-4-2E	NW SE	18	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752223	Deep Creek Tribal 3-5-4-2E	NE NW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752222	Deep Creek Tribal 4-25-3-1E	NW NW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752225	Deep Creek Tribal 4-5-4-2E	(Lot 4) NW NW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752224	Deep Creek Tribal 5-5-4-2E	SW NW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752226	Deep Creek Tribal 6-5-4-2E	SE NW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752218	Coleman Tribal 16-18-4-2E	SW SE	18	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752033	Deep Creek 3-25-3-1E	NE NW	25	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752039	Senatore 12-25-3-1E	NW SW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752412	Deep Creek 1-16-4-2E	NE NE	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752410	Deep Creek 13-9-4-2E	SW SW	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752411	Deep Creek 15-9-4-2E	SW SE	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752413	Deep Creek 3-16-4-2E	NE NW	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752409	Deep Creek 9-9-4-2E	NE SE	9	48	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752427	Bowers 5-6-4-2E	(Lot 5) SW NW	6	4\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752428	Bowers 6-6-4-2E	SE NW	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752430	Bowers 7-6-4-2E	SW NE	6	4 S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE

4304752431	Bowers 8-6-4-2E	SE NE	6	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752422	Deep Creek 11-15-4-2E	NE SW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752424	Deep Creek 13-15-4-2E	SW SW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752425	Deep Creek 15-15-4-2E	SW SE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752426	Deep Creek 16-15-4-2E	SE SE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752416	Deep Creek 5-16-4-2E	SW NW	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752418	Deep Creek 7-16-4-2E	SW NE	16	45	2E	Approved Permit (APD); not yet spudded Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752414	Deep Creek 7-9-4-2E	SW NE	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752415	Deep Creek 11-9-4-2E	NE SW	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752423	ULT 13-5-4-2E	SW SW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752417	ULT 14-5-4-2E	SE SW	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752123	ULT 12-34-3-1E	NW SW	34	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 3-34-3-1E	NE NW	34	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752125	ULT 10-34-3-1E	NW SE	34	3S	1E	Approved Permit (APD); not yet spudded Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752123	ULT 10-34-3-1E	NW SE	36	35	1E	Approved Permit (APD); not yet spudded Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752043	ULT 12-36-3-1E	NW SW	36	35	1E	Approved Permit (APD); not yet spudded Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752044	ULT 3-36-3-1E	NE NW	36	3S	1E	Approved Permit (APD); not yet spudded Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752042	ULT 6-35-3-1E	SE NW	35	3\$	1E		Oil Well	FEE
4304752048		SE NW SE NE	35	3S	1E	Approved Permit (APD); not yet spudded Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 8-35-3-1E	NW SE	25	35	1E	<u> </u>	<u> </u>	L
	Deep Creek 10-25-3-1E		25	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752032	Deep Creek 1-25-3-1E	NE NE			·	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751919	Deep Creek 14-23-3-1E	SE SW	23	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751921	Deep Creek 14-24-3-1E	SE SW	24	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751922	Deep Creek 15-24-3-1E	SW SE	24	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751923	Deep Creek 16-24-3-1E	SE SE	24	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751926	Deep Creek 6-25-3-1E	SE NW	25	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	Deep Creek 8-25-3-1E	SE NE	25	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751894	ULT 3-35-3-1E	NE NW	35	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751896	Marsh 11-35-3-1E	NE SW	35	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751893	ULT 2-35-3-1E	NW NE	35	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751899	ULT 4-35-3-1E	NW NW	35	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751892	Deep Creek 15-25-3-1E	SW SE	25	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751929	Deep Creek 9-25-3-1E	NE SE	25	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751933	ULT 11-36-3-1E	NE SW	36	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751932	ULT 11-6-4-2E	NE SW	6	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 13-25-3-1E	SW SW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 13-6-4-2E	SW SW	6	4\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 15-6-4-2E	SW SE	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 8-36-3-1E	SE NE	36	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	ULT 9-6-4-2E	NE SE	6	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751927	Marsh 12-35-3-1E	NW SW	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751935	ULT 1-35-3-1E	NE NE	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752451	Deep Creek 12-15-4-2E	NW SW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752453	Deep Creek 12-32-3-2E	NW SW	32	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752452	Deep Creek 14-15-4-2E	SE SW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752455	Deep Creek 14-32-3-2E	SE SW	32	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
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4804752446 Deep Creek 2-16-4-2E	4304752445	Deep Creek 14-9-4-2E	SE SW	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
3804752448				_					
Ag04752409 Deep Creek 6-16-4-2E SE NW 16 45 2E Approved Permit (APD); not yet spudded Oil Well FEE									
Agory Agor				<u> </u>					
#39475238 Deep Creek 8-9-42E									
Record R	4304752450	Deep Creek 8-16-4-2E	SE NE			2E	Approved Permit (APD); not yet spudded	Oil Well	. 1
Agorys2206 Ute Tribal 11-16-4-2E NE SW 16 45 2E Approved Permit (APD); not yet spudded Oil Well BIA	4304752438	Deep Creek 8-9-4-2E	SE NE			2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4097575197 Ute Tribal 13-14-42E	4304752440	Deep Creek 12-9-4-2E	NW SW	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
## 499752207 Ute Tribal 13-16-4-2E	4304752206	Ute Tribal 11-16-4-2E	NE SW	16	45	2€	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752198 Ute Tribal 13-4-4-2E	4304752197	Ute Tribal 11-4-4-2E	NE SW	l	45	2E		Oil Well	BIA
4804752191 Ute Tribal 14-10-4-2E SE SW 10 45 2E Approved Permit (APD); not yet spudded Oil Well BIA	4304752207	Ute Tribal 13-16-4-2E	SW SW	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
### ### ### ### ### ### ### ### ### #	4304752198	Ute Tribal 13-4-4-2E	SW SW	4	45	2£	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752208 Ute Tribal 15-16-4-2E SW SE 16 4S 2E Approved Permit (APD); not yet spudded Oil Well BIA 4304752195 Ute Tribal 15-32-3-2E SW SE 32 33 2E Approved Permit (APD); not yet spudded Oil Well BIA 4304752102 Ute Tribal 15-4-2E SE SE 5 4S 2E Approved Permit (APD); not yet spudded Oil Well BIA 4304752202 Ute Tribal 4-9-2E Lot 1 NW NW 15 4S 2E Approved Permit (APD); not yet spudded Oil Well BIA 4304752203 Ute Tribal 4-9-2E Lot 1 NW NW 15 4S 2E Approved Permit (APD); not yet spudded Oil Well BIA 4304752203 Ute Tribal 7-15-4-2E SW NE 15 4S 2E Approved Permit (APD); not yet spudded Oil Well BIA 4304752204 Ute Tribal 8-15-4-2E SE NE 15 4S 2E Approved Permit (APD); not yet spudded Oil Well BIA 4304752204 Ute Tribal 8-15-4-2E SE NE 15 4S 2E Approved Permit (APD); not yet spudded Oil Well BIA 4304752204 Ute Tribal 8-15-4-2E SE NE 15 4S 2E Approved Permit (APD); not yet spudded Oil Well FEE 4304752464 Ute Tribal 8-15-4-2E SE SW SW 34 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752466 Ute Tribal 9-16-4-2E NE SE 34 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752460 Ute Tribal 9-16-4-2E NE SE 34 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752460 Ute Tribal 9-16-4-2E NE SE 16 4S 2E Approved Permit (APD); not yet spudded Oil Well FEE 4304752280 Ute Tribal 15x-18D-4-2E NW SE 9 4S 2E Approved Permit (APD); not yet spudded Oil Well FEE 4304752281 Vte Tribal 15x-18D-4-2E NW SE 9 4S 2E Approved Permit (APD); not yet spudded Oil Well FEE 4304752883 Kendall 15-7-3-1E NW NW NY 7 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752889 Kendall 15-7-3-1E NW SW NY 7 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752889 Kendall 15-8-3-1E SW SW NY 8	4304752201	Ute Tribal 14-10-4-2E	SE SW	10	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
Agoly752195 Ute Tribal 15-32-3-2E SW SE 32 3S 2E Approved Permit (APD); not yet spudded Oil Well BIA	4304752199	Ute Tribal 14-4-4-2E	SE SW	4	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
304752196 Ute Tribal 16-5-4-2E	4304752208	Ute Tribal 15-16-4-2E	SW SE	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
1304752202 Ute Tribal 2-15-4-2E	4304752195	Ute Tribal 15-32-3-2E	SW SE	32	35	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
1304752200 Ute Tribal 4-9-4-2E	4304752196	Ute Tribal 16-5-4-2E	SE SE	5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752203 Ute Tribal 7-15-4-2E SW NE 15 45 2E Approved Permit (APD); not yet spudded Oil Well BIA 4304752204 Ute Tribal 3-15-4-2E SE NE 15 45 2E Approved Permit (APD); not yet spudded Oil Well BIA 4304752464 ULT 11-34-3-1E NE SW 34 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752465 ULT 14-34-3-1E SE SW 34 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752466 ULT 15-34-1E SE SW 34 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752461 ULT 15-34-3-1E SE SW 34 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752462 ULT 9-34-3-1E NE SE 34 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752205 Ute Tribal 9-16-4-2E NE SE 16 45 2E Approved Permit (APD); not yet spudded Oil Well FEE 4304752205 Ute Tribal 9-16-4-2E NE SE 16 45 2E Approved Permit (APD); not yet spudded Oil Well BIA 43047522439 Deep Creek 10-94-2E NW SE 9 4S 2E Approved Permit (APD); not yet spudded Oil Well FEE 4304752288 Womack 47-3-1E NW NW 7 3S 1E Approved Permit (APD); not yet spudded Oil Well BIA 4304752893 Kendall 12-7-3-1E NW NW 7 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752900 Kendall 15-7-3-1E SW SW 7 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752893 Kendall 13-3-3-1E SW NW 8 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752894 Kendall 13-3-3-1E SW NW 8 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752895 Kendall 13-3-3-1E SW NW 8 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752896 Kendall 13-3-3-1E SW NW 8 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752897 Kendall 13-8-3-1E SW SW 8 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752	4304752202	Ute Tribal 2-15-4-2E	NW NE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
1304752204 Ute Tribal 8-15-4-2E	4304752200	Ute Tribal 4-9-4-2E	Lot 1 NW NW	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
A304752463 ULT 11-34-3-1E	4304752203	Ute Tribal 7-15-4-2E	SW NE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
A304752464 ULT 13-34-3-1E	4304752204	Ute Tribal 8-15-4-2E	SE NE	1 5	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
A304752465 ULT 14-34-3-1E SE SW 34 35 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752463	ULT 11-34-3-1E	NE SW	34	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
Agrovation Agr	4304752464	ULT 13-34-3-1E	SW SW	34	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
A304752462 ULT 9-34-3-1E	4304752465	ULT 14-34-3-1E	SE SW	34	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
Agoroved Permit (APD); not yet spudded Oil Well BIA	4304752466	ULT 15-34-3-1E	SW SE	34	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
A304752439 Deep Creek 10-9-4-2E NW SE 9 4S 2E Approved Permit (APD); not yet spudded Oil Well FEE	4304752462	ULT 9-34-3-1E	NE SE	34	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
Agroved Permit (APD); not yet spudded Oil Well BIA	4304752205	Ute Tribal 9-16-4-2E	NE SE	16	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
Agroved Permit (APD); not yet spudded Oil Well FEE	4304752439	Deep Creek 10-9-4-2E	NW SE	9	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
Agoroved Permit (APD); not yet spudded FEE	4304752216	Coleman Tribal 15X-18D-4-2E	SW SE	18	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752911 Kendall 13-7-3-1E SW SW 7 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752887 Womack 5-8-3-1E SW NW 8 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752880 Womack 7-8-3-1E SW NE 8 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752901 Kendall 9-8-3-1E NE SE 8 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752894 Kendall 11-8-3-1E NE SW 8 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752897 Kendall 13-8-3-1E SW SW 8 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752898 Kendall 16-8-3-1E SE SE 8 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752892 Kendall 5-9-3-1E SW NW 9 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752899 Kendall 6-9-3-1E SE SE NW 9 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752896 Kendall 7-9-3-1E SE NW 9 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752896 Kendall 7-9-3-1E SE NW 9 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752896 Kendall 7-9-3-1E SE NW 9 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752896 Kendall 7-9-3-1E SE NW 9 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752898 Womack 11-9-3-1E SE NE NE 9 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752882 Womack 13-9-3-1E SE NE NE 9 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752884 Womack 13-9-3-1E SE NE NE NE 9 35 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752885 Womack 3-16-3-1E NE SW SW 9 35 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752888	Womack 4-7-3-1E	NW NW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
Agroved Permit (APD); not yet spudded Oil Well FEE	4304752893	Kendall 12-7-3-1E	NW SW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
Agovaria	4304752911	Kendall 13-7-3-1E	SW SW	7	3S	1.E	Approved Permit (APD); not yet spudded	Oil Well	FEE
A304752880 Womack 7-8-3-1E SW NE 8 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752900	Kendall 15-7-3-1E	SW SE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
A304752894 Kendall 9-8-3-1E NE SE 8 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752887	Womack 5-8-3-1E	SW NW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752894 Kendall 11-8-3-1E NE SW SW 8 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752898 Kendall 13-8-3-1E SW SW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752892 Kendall 5-9-3-1E SW NW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752899 Kendall 6-9-3-1E SE NW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752896 Kendall 7-9-3-1E SW NE 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752896 Kendall 7-9-3-1E SW NE 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752882 Womack 11-9-3-1E NE SW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752884 Womack 13-9-3-1E SW SW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752884 Womack 13-9-3-1E SW SW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752885 Womack 3-16-3-1E NE NW 16 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752885 Womack 3-16-3-1E NE NW 16 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752880	Womack 7-8-3-1E	SW NE	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
A304752897 Kendall 13-8-3-1E SW SW 8 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752901	Kendall 9-8-3-1E	NE SE	8	38	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
A304752898 Kendall 16-8-3-1E SE SE 8 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752894	Kendall 11-8-3-1E	NE SW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752892 Kendall 5-9-3-1E SW NW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752899 Kendall 6-9-3-1E SE NW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752896 Kendall 7-9-3-1E SW NE 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752882 Womack 11-9-3-1E NE SW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752884 Womack 13-9-3-1E SW SW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752885 Womack 3-16-3-1E NE NW 16 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752897	Kendall 13-8-3-1E	SW SW	8	3\$	1.E	Approved Permit (APD); not yet spudded	Oil Well	FEE
A304752899 Kendall 6-9-3-1E SE NW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752898	Kendall 16-8-3-1E	SE SE	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
A304752896 Kendall 7-9-3-1E SW NE 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752892	Kendall 5-9-3-1E	SW NW	9	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752882 Womack 11-9-3-1E NE SW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752884 Womack 13-9-3-1E SW SW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752885 Womack 3-16-3-1E NE NW 16 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752899	Kendall 6-9-3-1E	SE NW	9	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752884 Womack 13-9-3-1E SW SW 9 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE 4304752885 Womack 3-16-3-1E NE NW 16 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752896	Kendall 7-9-3-1E	SW NE	9	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752885 Womack 3-16-3-1E NE NW 16 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752882	Womack 11-9-3-1E	NE SW	9	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	4304752884	Womack 13-9-3-1E	SW SW	9	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752886 Womack 4-16-3-1E NW NW 16 3S 1E Approved Permit (APD); not yet spudded Oil Well FEE	4304752885	Womack 3-16-3-1E	NE NW	16	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
	4304752886	Womack 4-16-3-1E	NW NW	16	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE

4304752889	Womack 5-16-3-1E	SW NW	16	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752890	Womack 6-16-3-1E	SE NW	16	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752895	Kendall 4-17-3-1E	NW NW	17	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752891	Kendall 5-17-3-1E	SW NW	17	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752883	Kendall 11-17-3-1E	NE SW	17	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752881	Kendall 13-17-3-1E	SW SW	17	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752966	Merritt 2-18-3-1E	NW NE	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752967	Merritt 3-18-3-1E	NENW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752992	Merritt 7-18-3-1E	SW NE	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752508	Gusher Fed 11-1-6-20E	NE SW	1	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752503	Gusher Fed 1-11-6-20E	NE NE	11	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752504	Gusher Fed 11-22-6-20E	NE SW	22	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752507	Gusher Fed 12-15-6-20E	NW SW	15	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752509	Gusher Fed 1-27-6-20E	NE NE	27	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752511	Gusher Fed 1-28-6-20E	NE NE	28	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752311	Gusher Fed 14-3-6-20E	SE SW	3	6S	20E	Approved Permit (APD); not yet spudded Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752506	Gusher Fed 16-26-6-20E	SE SE	26	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
		NE NW	21	6S	20E		Oil Well	
4304752505 4304752500	Gusher Fed 6 25 6 205	SE NW	25	6S	20E	Approved Permit (APD); not yet spudded Approved Permit (APD); not yet spudded	Oil Well	Federal
	Gusher Fed 6-25-6-20E	SE NE	25	6S	20E		***************************************	Federal
4304752501	Gusher Fed 8-25-6-20E	·	27			Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752510	Gusher Fed 9-27-6-20E	NE SE	3	6S 6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752499	Gusher Fed 9-3-6-20E	NW SE	29	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752502	Horseshoe Bend Fed 11-29-6-21E	NE SW			21E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752498	Horseshoe Bend Fed 14-28-6-21E	SE SW	28 7	6S 4S	21E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752472	Coleman Tribal 2-7-4-2E	NW NE			2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752473	Coleman Tribal 4-7-4-2E	NW NW	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752474	Coleman Tribal 6-7-4-2E	SE NW	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752475	Coleman Tribal 8-7-4-2E	SE NE	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752480	Coleman Tribal 2-8-4-2E	NW NE	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752481	Coleman Tribal 4-8-4-2E	NW NW	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752484	Coleman Tribal 6-8-4-2E	SE NW	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752485	Coleman Tribal 8-8-4-2E	SE NE	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752483	Deep Creek Tribal 12-8-4-2E	NW SW	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752476	Deep Creek Tribal 10-7-4-2E	NW SE	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752477	Deep Creek Tribal 12-7-4-2E	NW SW	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752478	Deep Creek Tribal 14-7-4-2E	SE SW	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752479	Deep Creek Tribal 16-7-4-2E	SE SE	7	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752487	Deep Creek Tribal 10-8-4-2E	NW SE	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752482	Deep Creek Tribal 14-8-4-2E	SE SW	8	4 S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752486	Deep Creek Tribal 16-8-4-2E	SE SE	8	45	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
43047 52967 52976		NE SW	19	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752978	Deep Creek 12-19-3-2E	Lot 3 (NW SW)	19	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752979	Deep Creek 13-19-3-2E	Lot 4 (SW SW)	19	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752969	Deep Creek 14-19-3-2E	SE SW	19	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752968	Deep Creek 11-20-3-2E	NE SW	20	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752973	Deep Creek 13-20-3-2E	SW SW	20	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE

								p
4304752987	Gavitte 15-23-3-1E	SW SE	23	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752964	ULT 3-29-3-2E	NE NW	29	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752962	ULT 4-29-3-2E	NW NW	29	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752961	ULT 5-29-3-2E	SW NW	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752955	ULT 6-29-3-2E	NE NW	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752983	Deep Creek 10-29-3-2E	NW SE	29	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752959	ULT 11-29-3-2E	NE SW	29	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752960	ULT 13-29-3-2E	SW SW	29	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752963	ULT 14-29-3-2E	Lot 2 (SE SW)	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752975	Deep Creek 15-29-3-2E	SW SE	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752974	Deep Creek 16-29-3-2E	SE SE	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752972	Deep Creek 1-30-3-2E -	NE NE	30	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752970	Deep Creek 5-30-3-2E	Lot 2 (SW NW)	30	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752971	Deep Creek 11-30-3-2E	NE SW	30	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752988	Knight 13-30-3-2E	Lot 4 (SW SW)	30	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752989	Knight 15-30-3-2E	SW SE	30	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752981	Deep Creek 1-31-3-2E	NE NE	31	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752954	ULT 3-31-3-2E	NE NW	31	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752956	ULT 5-31-3-2E	Lot 2 (SW NW)	31	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752984	Deep Creek 7-31-3-2E	SW NE	31	3\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752957	ULT 11-31-3-2E	NE SW	31	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752958	ULT 13-31-3-2E	Lot 4 (SW SW)	31	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752986	Ute Energy 15-31-3-2E	SW SE	31	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752985	Ute Energy 16-31-3-2E	SE SE	31	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752980	Deep Creek 12-20-3-2E	NW SW	20	35	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752977	Deep Creek 14-20-3-2E	SE SW	20	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752982	Deep Creek 3-30-3-2E	NE NW	30	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753018	Deep Creek 9-15-4-2E	NE SE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753019	Deep Creek 10-15-4-2E	NW SE	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753014	Lamb 3-15-4-2E	NE NW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753015	Lamb 4-15-4-2E	NW NW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753016	Lamb 5-15-4-2E	SW NW	15	4\$	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753017	Lamb 6-15-4-2E	SE NW	15	45	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753089	Womack 1-7-3-1E	NE NE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753093	Womack 2-7-3-1E	NW NE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753094	Womack 3-7-3-1E	NE NW	7	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753088	Kendall 14-7-3-1E	SE SW	7	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753104	Womack 1-8-3-1E	NE NE	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753105	Womack 2-8-3-1E	NW NE	8	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753106	Womack 3-8-3-1E	NE NW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753107	Womack 4-8-3-1E	NW NW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753108	Womack 6-8-3-1E	SE NW	8	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753109	Womack 8-8-3-1E	SE NE	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753110	Kendall 10-8-3-1E	NW SE	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753111	Kendall 12-8-3-1E	NW SW	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753112	Kendall 14-8-3-1E	SE SW	8	38	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
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4304753115	Kendall 15-8-3-1E	SW SE	8	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753114	Kendall 2-9-3-1E	NW NE	9	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753100	Kendall 12-9-3-1E	NW SW	9	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753116	Kettle 3-10-3-1E	NENW	10	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753117	Kettle 6-10-3-1E	SE NW	10	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753118	Kettle 11-10-3-1E	NE SW	10	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753119	Kettle 12-10-3-1E	NW SW	10	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753099	Kendall 3-17-3-1E	NE NW	17	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753098	Kendall 6-17-3-1E	SE NW	17	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753101	Kendall 12-17-3-1E	NW SW	17	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753120	Kendall 14-17-3-1E	NE SW	17	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753097	Kendall 1-18-3-1E	NE NE	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753096	Kendall 8-18-3-1E	SE NE	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753095	Kendall 9-18-3-1E	NE SE	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753091	Kendall 10-18-3-1E	NW SE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753090	Kendall 15-18-3-1E	SW SE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753092	Kendall 16-18-3-1E	SE SE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753146	Kendall Tribal 9-7-3-1E	NE SE	7	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753147	Kendall Tribal 10-7-3-1E	NW SE	7	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753153	Kendall Tribal 11-7-3-1E	NE SW	7	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753152	Kendall Tribal 16-7-3-1E	SE SE	7	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753151	Kendall Tribal 4-18-3-1E	NW NW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753150	Kendall Tribal 5-18-3-1E	SW NW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753149	Kendall Tribal 11-18-3-1E	NE SW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753148	Kendall Tribal 12-18-3-1E	NW SW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753145	Kendall Tribal 13-18-3-1E	SW SW	18	35	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753142	Kendall Tribal 14-18-3-1E	SE SW	18	3\$	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753144	Kendall Tribal 1-13-3-1W	NE NE	13	3\$	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753143	Kendall Tribal 9-13-3-1W	NE SE	13	35	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753144	Kendall Tribal 1-13-3-1W	NE NE	13	3\$	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753143	Kendall Tribal 9-13-3-1W	NE SE	13	35	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
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a. TYPE OF WELL:		OI W	ELL Z]	GAS WELL []	DRY		ОТІ	HER -		 		4	JNIT or CA NA	AGREE	MENT	IAME		
	HORIZ. L] DE	EEP-]	RE- ENTRY]	DIFF. RESVR.		ОТІ	HER _				_ \	VELL NAM Colem	an Tr			-2E	
NAME OF OPERA Ute Energ		eam Ho	ldings	LLC										- 1	43047		6			
3. ADDRESS OF OP		eet c	пу Де	nver		STATE	CO	zip 80 2	202			NUMBER: 0) 420-3	3200		Undes			DCAT		
LOCATION OF W			iii bei	11401		JIAIL				- <u>- </u>		ry HSM			QTR/QTR MERIDIAN			VNSHIP	, RANGE	,
AT SURFACE:											CCI	9 11-11	1		W/N	8	48	2E		
AT TOP PRODUC	CING INTER	RVAL REPOR			BN/WE ピピィ		'FNL	and 19	987' F	EL				-	OOLINITY.			40.6	TATE	
AT TOTAL DEPT	H: SW/														COUNTY Jintah			13. 8	STATE L	JTAH
4. DATE SPUDDED 6/8/2011		15. DATE T 6/17/2	2011			2011			ABANDON	VED]	READY TO F	PRODUC	E 🗸		04' G	L_	KB, RT,	GL):	
8. TOTAL DEPTH:	•		1	9. PLUG	BACK T.E		7,500	_	1	MULT.	IPLE CC	MPLETIONS	s, HOW	MANY?*	21. DEP PL	TH BRID UG SET:		ND .		
2. TYPE ELECTRIC		.583 4 ER MECHAN	IICAL LOC	3S RUN (Submit cop		7,49 <u>3</u>)	7	1	23.					1			VU		-
Triple Comb CBL	0	, D	irectio	nal Si	urvey					WA	S DST	_ CORED? RUN? NAL SURVE)	′ ?	NO NO NO	<u></u> ✓	(ES (ES (ES 7	(S	ubmit a ubmit re ubmit ce		
4. Casing and Li	NER RECO	RD (Report	all strings	set in w	ell)															
HOLE SIZE	SIZE/GF	RADE	WEIGHT	(#/ft.)	TOP ((MD)	вотто	M (MD)	STAGE D	CEME EPTH	NTER	NO. OF SA		SLU VOLUM	RRY E (BBL)		NT TOP	** A	MOUNT	PULLED
12-1/4	8-5/8	J-55	24		C		37				_	PREM	225		6	s	RFC	_		
7-7/8	5-1/2	J-55	15.	5	C		7,5	570		_		EXTC E	265 545		24 43		150	+		
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5. TUBING RECOR	D																			
SIZE		SET (MD)	PACKE	ER SET (M	MD)	SIZE		DEPTH	SET (MD) F	PACKER	SET (MD)		SIZE	D	EPTH SE	T (MD)	PA	CKER SE	ET (MD)
2-7/8	5,	496			L_															
6. PRODUCING INT		TOP	(MD)	POTTO	M (MD)	TOP	(TVD)	вотто	M /TVD\			(Top/Bot - N		SIZE	NO. HOL	ES I	PERE	ORATIO	ON STATI	us
Green Riv	-	6,6			414	6,6		7,4		⊢—	314		414	.36	93	Орг		-	eezed	<u> </u>
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c)		+								-						Ор	en	Squ	eezed	┭
) D)		+						-		_	,					Opi	en	Squ	eezed	-
8. ACID, FRACTUR	E, TREATN	MENT, CEME	NT SQUE	EZE, ETO	 -															
DEPTH II	NTERVAL		I						AM	OUNT	AND TY	PE OF MAT	ERIAL							
6302-7414			10.9	95 Bb	ls Slic	water	· & Xliı	nked fl	uid. 4	.000	gals	15% H	CI. 36	38.963	# 20/4	0 sd				
3302-6553												s to pit								
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9. ENCLOSED ATT	ACHMENT	S:	•										•••				30. W	ELL ST	ATUS:	
_		HANICAL LO		CEMENT	VERIEICA	JIONI	_	GEOLOGI		tT	\equiv	OST REPORT	· 5	REC	ËÌV	ED		Flo	wing	g

(CONTINUED ON BACK)

AUG 17 2011

Mode Press Production Press Press Production Press	31. INITIAL PRO	DUCTION			INT	ERVAL A (As sho	wn in item #26)						
Trible Time	DATE FIRST PR	ODUCED:			1			ION					
MATER 150 38.00 150 38.00 170 Flowing 170 Flowing 170 17	7/8/2011		7/8/2011	_		24	RATES: →		54	0	17	0	
INTERVAL B (As shown in htm #26) CHORE SIZE ITEG PRESS. GSC, PRESS. API GRAVITY BTU-GAS GASOL RATIO 24 HR PRODUCTION IDL-BBL GAS - MOC: WATER - BBL. INTERVAL STATUS. ***********************************					BTU – GAS	GAS/OIL RATIO		ION					
DATE PIRST PRODUCED					INT	ERVAL B (As sho	wn in item #26)		<u> </u>		•		
NTERVAL C (As shown in item #25) DATE FIRST PRODUCCID. TEST DATE: HOURS TESTED: TEST PRODUCTION OiL - BBL. GAS - MCF: WATER - BBL. PROD. METHOD. RATES: - WATER - BBL. PROD. METHOD. RATES: - WATER - BBL. RATER - BBL. PROD. METHOD. RATES: - WATER - BBL. RATER - BBL. NTERVAL STATUS RATES WATER - BBL. NTERVAL STATUS RATES WATER PRODUCCID. DATE FIRST PRODUCCID. TEST DATE: HOURS TESTED: TEST DATE: HOURS TESTED: TEST PRODUCCID. TEST DATE: HOURS TESTED: TEST PRODUCCID. TEST DATE: HOURS TESTED: TEST PRODUCCID. TEST PRODUCCID. TEST DATE: HOURS TESTED: TEST PRODUCCID. TEST PRODUCCID. TEST DATE: HOURS TESTED: TEST PRODUCCID. TEST PRODUCCID. TEST DATE: HOURS TEST PRODUCCID. TEST PRODUCCID. TEST DATE: HOURS TEST PRODUCCID. TEST PRODUCCID. TEST PRODUCCID. TEST DATE: HOURS TEST PRODUCCID. TEST PRODUCCID. TEST PRODUCCID. TEST DATE: HOURS TESTED: TEST PRODUCCID. TEST PRODUCCID. TEST PRODUCCID. TEST DATE: HOURS TESTED: TEST PRODUCCID. TEST PRODUCCID. TEST PRODUCCID. TEST DATE: HOURS TESTED: TEST PRODUCCID. TEST PRODUCCID. TEST PRODUCCID. TEST DATE: HOURS TESTED: TEST PRODUCCID. TEST DATE: TEST PRODUCCID. T	DATE FIRST PR	ODUCED:	TEST DATE:				TEST PRODUCT	ION	OIL – BBL:	GAS - MCF:	WATER -	BBL:	PROD. METHOD:
DATE FIRST PRODUCCID. TEST DATE HOURS TESTED: REST PRODUCTION OIL - BBL: QAS - MCP: WATER - BBL: NITERVAL STATUS. CHOKE SIZE TEST PRODUCED TEST DATE: NOURS TESTED: REST PRODUCTION OIL - BBL: QAS - MCP: WATER - BBL: NITERVAL STATUS. ***********************************	CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO		ΓΙΟΝ	OIL - BBL:	GAS - MCF:	WATER -	BBL:	INTERVAL STATUS:
CHOKE SIZE: TBG_PRESS. CSG_PRESS. APIGRAVITY BTU_GAS CASIOLILATIO AN HOPRODUCTION OIL_BBL QAS_MCF. WATER_BBL NTERVAL STATUS ANTERVAL DESTRUCTION OIL_BBL QAS_MCF. WATER_BBL PROD_METHOD. RATES. TEST_PRODUCTION OIL_BBL GAS_MCF. WATER_BBL PROD_METHOD. RATES. TEST_PRODUCTION OIL_BBL QAS_MCF. WATER_BBL PROD_METHOD. RATES. TEST_PRODUCTION OIL_BBL QAS_MCF. WATER_BBL PROD_METHOD. RATES. TEST_PRODUCTION OIL_BBL QAS_MCF. WATER_BBL NTERVAL STATUS. NTERVAL STATUS. TEST_PRODUCTION OIL_BBL QAS_MCF. WATER_BBL NTERVAL STATUS. TEST_PRODUCTION OIL_BBL QAS_MCF.			<u> </u>		INT	ERVAL C (As show	wn in item #26)		•				
NITERVAL D (As shown in item risps)	DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTED	D:		ION	OIL – BBL:	GAS - MCF:	WATER -	BBL:	PROD. METHOD:
DATE FIRST PRODUCED: TEST DATE: HOURS TESTED: TEST PRODUCTION OIL - BBL: QAS - MCF: WATER - BBL: PRODUCTION RATES: - WATER - BBL: RITERVAL STATUS: - WATER	CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO		TION	OIL - BBL:	GAS MCF:	WATER -	BBL:	INTERVAL STATUS:
CHOKE SIZE: TBG. PRESS. CSG. PRESS. API GRAVITY BTU-GAS GASIOLI RATIO 24 HIP PRODUCTION OIL - BBL. GAS - MCF. WATER - BBL. INTERVAL STATUS. 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.) NA - No Gas present during initial flow & testing period 33. SUMMARY OF POROUS ZONES (Include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushon used, time tool open, flowing and shuch pressures and recoveries. Formation Top (MD) Bottom (MD) Descriptions, Contents, etc. Name (Measured Depth) 34. FORMATION (Log) MARKERS: 35. ADDITIONAL REMARKS (include plugging procedure) 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) Chris R. Bairrington TITLE Sr. Operations Engineer 7/15/2011		.l	,		INT	ERVAL D (As show	wn in item #26)						
32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.) NA - No Gas present during initial flow & testing period 33. SIJUMMARY OF POROUS ZONES (include Aquifors): Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, dushion used, time tool open, flowing and shu4-in pressures and recoveries. Formation Top (MC) Bottom Descriptions, Contents, etc. Name Top (Measured Depth) Green River Fm. 3,767 TGR3 5,282 Wasatch Fm. 7,325 34. FORMATION (Log) MARKERS: SIGNATURE	DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TESTED	D:		ION	OIL - BBL:	GAS - MCF:	WATER -	BBL.:	PROD. METHOD:
NA - No Gas present during initial flow & testing period 33. SUMMARY OF POROUS ZONES (include Aquifers): Show all important zones of porosity and contents thereof cored infernetis and all drift-atem tests, including depth interval tested, custion used, time loot open, flowing and shut-in pressures and recoveries. Formation Top (MD) Bottom (MD) Descriptions, Contents, etc. Green River Fm. TGR3 5,282 Wasatch Fm. 3,767 TGR3 5,282 Wasatch Fm. 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) Chris R. Bairrington TITLE Sr. Operations Engineer 7/15/2011	CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO		TION	OIL BBL:	GAS - MCF:	WATER -	BBL:	INTERVAL STATUS:
33. SUMMARY OF POROUS ZONES (Include Aquifers): Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoverties. Formation Top (MCD) Bottom (MCD) Descriptions, Contents, etc. Name Top (Measured Depth) Green River Fm. TGR3 5,282 TGR3 Wasatch Fm. 7,325 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) Chris R. Bairrington TITLE Sr. Operations Engineer SIGNATURE 7,15/2011									<u> </u>				
Show all important zones of porosity and contents thereof. Cored intervals and all drift-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation Top (MD) Bottom (MD) Descriptions, Contents, etc. Name (Measured Depth) Green River Fm. 3,767 TGR3 5,282 Wasatch Fm. 7,325 35. ADDITIONAL REMARKS (include plugging procedure) 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) Chris R. Bairrington TITLE Sr. Operations Engineer SIGNATURE 7/15/2011	NA - No	Gas presen	t during in	itial flow & to	esting perio	<u>d</u>							
rested, cushion used, time tool open, flowing and shut-in pressures and recoverles. Formation Top (MD) Bottom (MD) Descriptions, Contents, etc. Signature Top (Measured Depth) Descriptions, Contents, etc. Name Top (Measured Depth) Green River Fm. 3,767 TGR3 5,282 Wasatch Fm. 7,325 35. ADDITIONAL REMARKS (Include plugging procedure) 36. I hereby certify that the foregoing and attached Information is complete and correct as determined from all available records. NAME (PLEASE PRINT) Chris R. Bairrington TITLE Sr. Operations Engineer SIGNATURE DATE 7/15/2011								34	4. FORMATION (Log) MARKERS:			
35. ADDITIONAL REMARKS (Include plugging procedure) 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) Chris R. Bairrington TITLE SIGNATURE SIGNATURE Name (Measured Depth) Green River Fm. TGR3 Wasatch Fm. 3,767 TGR3 Wasatch Fm. 7,325	Show all importa tested, cushion u	nt zones of porosity used, time tool oper	y and contents the n, flowing and sh	nereof: Cored interva aut-in pressures and	als and all drill-sten recoveries.	n tests, including de	epth interval						
35. ADDITIONAL REMARKS (include plugging procedure) 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) Chris R. Bairrington TITLE Sr. Operations Engineer SIGNATURE	Formation	on			Descrip	itions, Contents, etc).			Name	·	(
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) Chris R. Bairrington TITLE Sr. Operations Engineer SIGNATURE								1	rgr3				5,282
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36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) Chris R. Bairrington TITLE Sr. Operations Engineer SIGNATURE								ı					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. NAME (PLEASE PRINT) Chris R. Bairrington TITLE Sr. Operations Engineer SIGNATURE								1					
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NAME (PLEASE PRINT) Chris R. Bairrington SIGNATURE	35. ADDITIONA	L REMARKS (Incl	ude plugging p	rocedure)									
NAME (PLEASE PRINT) Chris R. Bairrington SIGNATURE													
NAME (PLEASE PRINT) Chris R. Bairrington SIGNATURE													
NAME (PLEASE PRINT) Chris R. Bairrington SIGNATURE													
SIGNATURE	36. I hereby cer	rtify that the foreg	oing and attach	ned information is o	complete and corr	ect as determined	from all available	reco	ords.		-		
SIGNATURE	NAME (PLEAS	SE PRINT) Chri	s R. Bairri	ngton	-		TITLE S	r. O	perations	Engineer	_		
This report must be submitted within 30 days of	SIGNATURE_							/15/	/2011				
	This report m	ust be submitt	ed within 30	days of									

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
 significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- * ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- **ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

31. INITIAL PR	ODUCTION			(TAIL .	ΓERVAL A (As sho	wn in item #26)	•	.		
7/8/2011	RODUCED:	TEST DATE 7/8/201			HOURS TESTE	D: 24	TEST PRODUCTION RATES: →	ON OIL - BBL: 54	GAS – MCF: 0	WATER – BBL: 170	PROD. METHOD: Flowing
CHOKE SIZE:	TBG. PRESS.	CSG. PRES:		AVITY 0.00	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTI RATES: →	ON OIL - BBL: 54	GAS - MCF:	WATER - BBL: 170	INTERVAL STATUS Flowing
	<u> </u>			·	INI	TERVAL B (As sho	wn in item #26)				
DATE FIRST PR	RODUCED:	TEST DATE:	:		HOURS TESTE	D:	TEST PRODUCTION RATES: →	ON OIL - BBL:	GAS - MCF:	WATER BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRES	S. API GR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTI RATES: →	ON OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS
					INI	TERVAL C (As sho	wn in item #26)				
DATE FIRST PR	RODUCED:	TEST DATE:	:		HOURS TESTE	D:	TEST PRODUCTION RATES: →	ON OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRES	S. API GR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTI RATES: →	ON OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS
	<u> </u>				INT	TERVAL D (As sho	wn in item #26)				
DATE FIRST PR	RODUCED:	TEST DATE:			HOURS TESTE	D:	TEST PRODUCTION RATES: →	ON OIL - BBL:	GAS MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG, PRESS.	CSG. PRESS	S. API GR	AVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTI RATES: →	ON OIL - BBL:	GAS - MCF:	WATER – 88L:	INTERVAL STATUS
33. SUMMARY Show all importa	Gas prese of porous zo	nt during in NES (Include A ity and contents	initial flo quifers): thereof: Core	w & te	esting perio	od n tests, including de	epth interval	34. FORMATION	I (Log) MARKERS:		Тор
Formati	on	(MĎ)	(MD)		Descrip	tions, Contents, etc			Name		(Measured Depth)
-	****	going and attac	ched Informa	tion is co	omplete and corre	ect as determined	from all available ro	ocords. Operations	Engineer		1742
O'OUATUBE	/-						DATE 7/1	5/2011			

This report must be submitted within 30 days of

- completing or plugging a new well
- · drilling horizontal laterals from an existing well bore
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- reentering a previously plugged and abandoned well
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- * ITEM 20: Show the number of completions if production is measured separately from two or more formations.
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Send to:

SIGNATURE

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

```
Information
~Version
                                                                  #NAME?
                           CWLS
                                              ASCII
                                                        Standard
                  2.0:
                                     log
         VERS.
                                                        depth
                                                                 step
                                     line
                                              per
         WRAP.
                  NO:
                           One
         Informatio Block
~Well
#MNEM.UI VALUE/NAI DESCRIPTION
#----
                  390.0000: START
                                     DEPTH
         STRT.F
                  7530.0000: STOP
                                     DEPTH
         STOP.F
                  0.0000:
                           STEP
                                     DEPTH
         STEP.F
                                     VALUE
         NULL.
                  -999.25: NULL
                           LATITUDE 40.13687 N:
                                                        LOCATIONLINE3
         FL3
                           LONGITUD 109.85636: LOCATIONLINE4
         FL4
                                                                 LOCATIONLINE2
         FL2
                           SEC
                                     8,
                                              T4S,
                                                        R2E:
                                                        &
                                                                 1987'
                                                                          FEL:
                                     1941'
                                              FNL
         FL1
                           SHL
                                                        NAME
                           CAPSTAR #316:
                                              RIG
         RIG
                  UINTAH: COUNTY NAME
         CNTY.
                           VERNAL: LOGGINGUNITLOC
         LUL
                           WILDCAT: FIELD
                                              NAME
         FLD
                                     7-8-4-2E: WELL
                                                        NAME
                  COLEMAN TRIBAL
         WELL.
                                     DRILL
                                              MEAS
                                                        FROM
                           KB:
         DMF
                            PERMANEI DATUM
         PDAT.
                  GL:
                  UTE
                           ENERGY
                                     UPSTREAM HOLDINGS LLC:
                                                                 COMPANY
         COMP.
                                                        IDENTIFIER
         UWI
                           430475149 UNIQUE
                                              WELL
                           430475149 API
                                              NUMBER
         API
                           RANGE
         RANG.
                  2E:
                  4S:
                           TOWNSHIP
         TOWN.
                       8:00 SECTION
         SECT.
                                              NUMBER
                           8255846: JOB
         SON
                           STATES: COUNTRY NAME
         CTRY.
                  UNITED
                            PROVINCE
         PROV.
                  UTAH:
                  UTAH:
                           STATE
                                     NAME
         STAT.
         IQVR.
                  R3.2.3:
                            WLIQ
                                     VERSION
                  Halliburton SERVICECONAME
         SVCO.
                  IGRF10:
                            MAGNETIC MODEL
         MMDL.
                                                                           DATE
                                            4 55:00:00 MAG
                                                                 DATA
                   16-Jun-10
                                  15
         MMDD.
                            DATE
         DATE.
                  Halliburton SERVICE
                                     COMPANY
         SRVC.
         LOC
                           :
                                     LOCATION
                                     LOG
                                              MEASUREE FROM
                            KB:
         LMF
         APD
                            12.0000:
                                     DEPTH
                                              ABOVE
                                                        PD
                  .ft
                  5116.0000: TVDSS
         TVDS.ft
                                     CORRECTN
                  1.0000:
                            GRAVITY FIELD
         GVFD.g
                            5104.0000: GROUND ELEVATION
         EGL
                  .ft
                            5104.0000: ELEVATION
         EPD
                  .ft
         MFLD.nT 52503.000 MAGNETIC FIELD
         MDIP.deg 65.9720: MAGNETIC DIP
```

TOTAL

AZTC.deg 11.3280: AZM

CORR

2

	MDEC.deg	11.3280:	MAGNETIC	CDECL				
	GRDC.deg	0.0000:	GRID	CORRECTIO	NC			
	EKB	.ft	5116.0000): KB	ELEVATIO	N		
	EDF	.ft	5115.0000): DF	ELEVATIO	N		
	VSC	•	1:00	VS	ТО	CLOSURE		
	MAGU.	1984246:	MAGUTM	CHECKSUN	1			
~Curve	Informatio	Block						
#MNEM.U	IPAI	CODE	Curve	Description	n			
#								
	DEPT.F	() (0	000:	Survey	Depth	
	INC	.deg	C	0	•	000:	Inclination	
	AZI	.deg	C	0	• (000:	Azimuth	
	DLS	/100'	.0) 0	(000:	Dog-Leg	Severity
	LATNS.ft	() () 0	000:	Latitude	North/Sou	th
	DEPEW.ft	() () 0	000:	Departure	East/West	
	TVD	.ft	C) 0	(000:	TRUE	Vertical
~OTHER	INFORMAT	r SECTION						
CO_TR_7_	{IQ_TRIPLE	_ 16-Jun-11	l 16:39	Up	@7601.0f			

SERVICE IQ_TRIPLE_IDT_DLL

Tool	Tool	Name		Weight	•	Length
Mnemoni	ic Number	(lbs)	(ft) 	Accumulat	ion(ft) 	
RWCH	RWCH	C089	135	6.25	121.8	
ISA	Isolator	Assy.	BRID_1	274	15	106.8
RE	Return	Electrode	CR	57	2.5	104.3
SP	SP	Sub	SP_SUB	60	3.74	100.56
ISA	Isolator	Assy.	BRID_2	274	15	85.56
BSUB	Barrier	Sub	BS	38	1	84.56
GTET	GTET	11277435	165	8.52	76.04	
IDT	IDT	11006873	150	7.58	68.46	
DSNT	DSNT*	10917119	180.6	9.69	58.77	
SDLT	SDLT	10923744	360	10.81	47.96	
IQF	IQ	Flex	IQ_FLEX	140	5.67	42.29
DLLT	DLLT*	P105M687	398	31.63	10.66	
MSFL	MSFL	S433M259	214	10.33	0.33	
BLNS	Bull	Nose	BN	5	0.33	0

Total 2450.6 128.05 * = Overbody = Overbody Attached

PARAMETERS

Tool	Name	Mnemonic	Description	· Value 	Units			-	
	ТОР								
SHARED	RMUD	Mud	Resistivity	0.25	ohmm				
SHARED	TRM	Temperatu	of	Mud		degF			
SHARED	TD		Well	Depth					
SHARED	внт	Bottom	Hole	Temperatu	176	degF			
	Depth	5449.42	ft				-		
	Depth	7462	ft				-		
SHARED	BS	Bit	Size	7.875	in				
SHARED	UBS	Use	Bit	Size	instead	of	Caliper	for	
SHARED	MDBS	Mud	Base	Water					
SHARED	MDWT	Borehole	Fluid	Weight	9.2	ppg			
SHARED	WAGT	Weighting	Agent	Natural					
SHARED	BSAL	Borehole	salinity	11000	ppm				
SHARED	FSAL	Formation	Salinity	NaCl	0	ppm			
SHARED	KPCT	Percent	K	in	Mud	by	Weight?		0
SHARED	RMUD	Mud	Resistivity	2	ohmm				
SHARED	TRM	Temperatu	of	Mud	75	degF			
SHARED	CSD	Logging	Interval	is	Cased?	No			
SHARED	ICOD	AHV	Casing	OD	5.5	in			
SHARED	ST	Surface	Temperatu	ı 55	degF				
SHARED	TD	Total	Well						
SHARED	BHT	Bottom	Hole						
SHARED	SVTM	Navigation	and	Survey			IDT		
SHARED	AZTM	High	Res	Z	Accelerom	Master	Tool	IDT	
SHARED	TEMM	Temperatu		Tool	NONE				
SHARED	BHSM	Borehole		Master	Tool	NONE			
IDT	WRTI	Survey		Interval	30	ft			
IDT	SOPT	Smoothing	Option	None					
	воттом								
	INPUTS,		AND	FILTERS					
Mnemoni	c Input (ft)	Description (ft)	Delay		Length	Filter	Type		

TPUL	Tension Pull	69.463	NO	
ACCX	Accelerom X	69.463	NO	
ACCY	Accelerom Y	69.463	NO	
ACCZ	Accelerom Z	69.463	NO	
MAGX	magnetom x	with	unit	69.463 NO
MAGY	Magnetom Y	with	unit	69.463 NO
MAGZ	magnetom z	with	unit	69.463 NO
IAMP	Accelerom: Temperatu	69.463	NO	
MTMP	Magnetom Temperatu	ı 69.463	NO	

OUTPUTS

Mnemonic Output (ft)	Descriptior Filter	Length	Filter	Туре				

IDT

PLTC	Plot	Control	Mask	NO				
MTMP	Magneton	n Temperati	ı NO					
IAMP	_	Temperatı						
ACCX	Accelerom	ŧΧ	NO					
ACCY	Accelerom	ŧΥ	NO					
ACCZ	Accelerom	٠Z	NO					
MAGX	magnetom	ı x	with	unit	NO			
MAGY	Magneton	١Y	with	unit	NO			
MAGZ	magnetom	1 Z	with	unit	NO			
BZC	magnetom	with	unit	after	the	correction	NO	
HAZI	Hole	Azimuth	NO					
DEVI	Inclination	NO						
RB	Relative	Bearing	NO					
AZI1	PAD1	Azimuth	NO					
TLFC	Tool	Face	NO					
MAGD	Magnetic	dip	for	directional	tool	NO		
GTOT	Total	Gravity	Field	measure	by	directional		NO
BTOT	total	magnetic	field	for	directional	tool	NO	
ACCQ	calculated	gravity	field	compared		local	gravity	field
MAGQ	Calculated	magnetic	field	compared	with	local	magnetic	fie
	ld							
LOCG	Local	Gravity	Field	NO				
LMAG	Local	magnetic	field	for	directional	tool	NO	
PLTC	Plot	Control	Mask	NO				
MTMP	Magneton	n Temperati	ı NO					
IAMP	Accelerom	Temperati						
ACCX	Accelerom	ıX	NO					

ACCY	Accelerom	ιY	NO					
ACCZ	Accelerom: Z		NO					
MAGX	magnetom x		with	unit	NO			
MAGY	Magnetom	ıΥ	with	unit	NO			
MAGZ	magnetom	Z	with	unit	NO			
BZC	magnetom	with	unit	after	the	correction	NO	
HAZI	Hole	Azimuth	NO					
DEVI	Inclination	NO						
RB	Relative	Bearing	NO					
AZI1	PAD1	Azimuth	NO					
TLFC	Tool	Face	NO					
MAGD	Magnetic	dip	for	directional	tool	NO		
GTOT	Total	Gravity	Field	measure	by	directional		NO
BTOT	total	magnetic	field	for	directional	tool	NO	
ACCQ	calculated	gravity	field	compared		local	gravity	field
MAGQ	Calculated	magnetic	field	compared	with	local	magnetic	fie
	ld							
LOCG	Local	Gravity	Field	NO				
LMAG	Local	magnetic	field	for	directional		NO	
~A	DEPT	INC	AZI	DLS	LATNS	DEPEW	TVD	
	390					0.6494		
	420						419.9967	
	450			0.2689				
	480			0.0719			479.9942	
	510							
	540					1.1271	539.9922	
	570							
	600			0.168				
	630			0.2271		1.4684	629.9899	
	660			0.1943			659.989	
	690			0.2464				
	720							
	750							
	780							
	810							
	840							
	870							
	900							
	930 960							
	990 1020							
	1020							
	1030	•						
	1110							
	1140							
	1140							
	11/0	0.0022	150.5054	0.5055	0.2001	3.037		

1230 1.1162 156.3624 0.7348 -9.1706 4.2672 1229.94 1260 1.0527 167.4753 0.7309 -9.7073 4.4442 1259.93 1290 0.9684 172.6985 0.4159 -10.2278 4.5361 1289.93 1320 1.0759 163.5222 0.6516 -10.7493 4.6483 1319.9 1350 1.0703 167.5231 0.2504 -11.293 4.7887 1349.92 1400 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.91 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1409.91 1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.90 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.89 1500 1.2531 170.4691 0.3637 -15.5215 5.5961 1559.8 1500 1.2533 172.6073 0.456 -16.189 5.6961 <th>1230 1.1162 156.3624 0.7348 -9.1706 4.2672 1229.945 1260 1.0527 167.4753 0.7309 -9.7073 4.4442 1259.939 1290 0.9684 172.6985 0.4159 -10.2278 4.5361 1289.935 1320 1.0759 163.5222 0.6516 -10.7493 4.6483 1319.932 1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.92 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.914 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.901 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1550 1.253 172.6073 0.456 -16.189</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	1230 1.1162 156.3624 0.7348 -9.1706 4.2672 1229.945 1260 1.0527 167.4753 0.7309 -9.7073 4.4442 1259.939 1290 0.9684 172.6985 0.4159 -10.2278 4.5361 1289.935 1320 1.0759 163.5222 0.6516 -10.7493 4.6483 1319.932 1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.92 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.914 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.901 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1550 1.253 172.6073 0.456 -16.189							
1260 1.0527 167.4753 0.7309 -9.7073 4.4442 1259.93 1290 0.9684 172.6985 0.4159 -10.2278 4.5361 1289.93 1320 1.0759 163.5222 0.6516 -10.7493 4.6483 1319.9 1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.9 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.91 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.90 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.89 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1550 1.2253 172.6073 0.456 -16.189 5.6961 1589.87 1590 1.2253 174.7934 0.5366 -17.456 5.8445 1649.85 1650 1.3197 174.2593 0.4429 -18.1782 5.9139<	1260 1.0527 167.4753 0.7309 -9.7073 4.4442 1259.939 1290 0.9684 172.6985 0.4159 -10.2278 4.5361 1289.935 1320 1.0759 163.5222 0.6516 -10.7493 4.6483 1319.935 1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.92 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.914 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1500 1.167 166.4892 0.0593 -13.648 5.2402 1469.901 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1500 1.253 172.6073 0.456 -16.189 5.6961 1589.873 1500 1.253 172.6073 0.456 -16.189 5.6961 1589.873 1500 1.253 172.6073 0.456 -16.189 5.69	1200	0.9047	152.8104	0.4457	-8.6923	4.0419	1199.949
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1320 1.0759 163.5222 0.6516 -10.7493 4.6483 1319.9 1350 1.0703 167.5231 0.2504 -11.293 4.7887 1349.92 1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.9 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.91 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.90 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.89 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1589.87 1620 1.1643 172.853 0.204 -16.8095 5.7753 1619.86 1650 1.3197 174.7594 0.5366 -17.456 5.8445 1649.85 1680 1.4519 174.2593 0.4429 -18.742 5.912 <td>1320 1.0759 163.5222 0.6516 -10.7493 4.6483 1319.93 1350 1.0703 167.5231 0.2504 -11.293 4.7887 1349.925 1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.92 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.914 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.901 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.888 1550 1.3534 170.4691 0.3637 -15.5215 5.5961 1589.873 1500 1.2533 172.6073 0.456 -16.1899 5.6961 1589.873 1620 1.6443 172.85 0.204 -16.8095</td> <td>1260</td> <td>1.0527</td> <td>167.4753</td> <td>0.7309</td> <td>-9.7073</td> <td>4.4442</td> <td>1259.939</td>	1320 1.0759 163.5222 0.6516 -10.7493 4.6483 1319.93 1350 1.0703 167.5231 0.2504 -11.293 4.7887 1349.925 1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.92 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.914 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.901 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.888 1550 1.3534 170.4691 0.3637 -15.5215 5.5961 1589.873 1500 1.2533 172.6073 0.456 -16.1899 5.6961 1589.873 1620 1.6443 172.85 0.204 -16.8095	1260	1.0527	167.4753	0.7309	-9.7073	4.4442	1259.939
1350 1.0703 167.5231 0.2504 -11.293 4.7887 1349.92 1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.9 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.91 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.90 1500 1.1367 166.4892 0.0593 -13.648 5.2402 1469.90 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.89 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1589.87 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.87 1620 1.1643 174.7934 0.5366 -17.456 5.8445 1649.85 1650 1.3197 174.7934 0.5366 -17.456 5.8445 </td <td>1350 1.0703 167.5231 0.2504 -11.293 4.7887 1349.925 1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.92 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.914 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1470 1.167 166.8492 0.0593 -13.648 5.2402 1469.901 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1550 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.88 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.886 1680 1.4519 174.72539 0.4429 -18.1782 5</td> <td>1290</td> <td>0.9684</td> <td>172.6985</td> <td>0.4159</td> <td>-10.2278</td> <td>4.5361</td> <td>1289.935</td>	1350 1.0703 167.5231 0.2504 -11.293 4.7887 1349.925 1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.92 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.914 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1470 1.167 166.8492 0.0593 -13.648 5.2402 1469.901 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1550 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.88 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.886 1680 1.4519 174.72539 0.4429 -18.1782 5	1290	0.9684	172.6985	0.4159	-10.2278	4.5361	1289.935
1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.9 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.91 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.90 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.89 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.89 1550 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.8 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.87 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.86 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.85 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.8 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 <td>1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.92 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.914 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1500 1.1367 166.4892 0.0593 -13.648 5.2402 1469.901 1500 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.888 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1589.883 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 170 1.5738 174.2593 0.4429 -18.1782 5</td> <td>1320</td> <td>1.0759</td> <td>163.5222</td> <td>0.6516</td> <td>-10.7493</td> <td>4.6483</td> <td>1319.93</td>	1380 1.0289 172.8065 0.3508 -11.8338 4.8829 1379.92 1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.914 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1500 1.1367 166.4892 0.0593 -13.648 5.2402 1469.901 1500 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.888 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1589.883 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 170 1.5738 174.2593 0.4429 -18.1782 5	1320	1.0759	163.5222	0.6516	-10.7493	4.6483	1319.93
1410 1.2849 170.9539 0.8624 -12.4332 4.9696 1409.91 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.90 1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.90 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.89 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.8 1590 1.2253 172.6073 0.456 -16.8095 5.7753 1619.86 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.85 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.81 1700 1.4738 176.8267 0.2914 -19.7348 6.0164 1739.8 1770 1.5755 174.3569 0.2337 -20.5543 6.0797<	1410 1.2849 170.95339 0.8624 -12.4332 4.9696 1409.914 1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.901 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3637 -15.5215 5.5961 1599.885 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.859 1710 1.4738 176.8919 0.2357 -20.5543 6.0797 1769.819 1700 1.5755 174.3569 0.2337 -20.5543	1350	1.0703	167.5231	0.2504	-11.293	4.7887	1349.925
1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.90 1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.90 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.89 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.8 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.87 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.86 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.8 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.8 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.8 1800 1.7709 177.848 0.7229 -21.429 6.1377	1440 1.1528 165.9626 0.5646 -13.0582 5.0956 1439.907 1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.901 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.888 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.5752 174.3569 0.2337 -20.5543 6.0164 1739.83 1770 1.5759 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7701 175.8204 0.2849 -22.3391 6	1380	1.0289	172.8065	0.3508	-11.8338	4.8829	1379.92
1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.90 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.89 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.8 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.87 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.86 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.85 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.8 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.84 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.8 1770 1.5759 174.3569 0.2357 -20.5543 6.0797	1470 1.167 166.4892 0.0593 -13.648 5.2402 1469.901 1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.888 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.88 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1710 1.4738 176.28919 0.2356 -18.9416 5.9728 1709.881 1770 1.57595 174.3569 0.2337 -20.5543 6.0164 1739.83 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6	1410	1.2849	170.9539	0.8624	-12.4332	4.9696	1409.914
1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.89 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.8 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.87 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.86 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.85 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.8 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.84 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.80 1770 1.5795 174.3869 0.2337 -20.5543 6.0797 1769.81 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 <td>1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.888 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.88 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.4738 176.8919 0.2336 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0707 1769.818 1800 1.7713 176.2714 0.2041 -23.2486</td> <td>1440</td> <td>1.1528</td> <td>165.9626</td> <td>0.5646</td> <td>-13.0582</td> <td>5.0956</td> <td>1439.907</td>	1500 1.1367 169.6295 0.2334 -14.2378 5.3652 1499.895 1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.888 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.88 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.4738 176.8919 0.2336 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0707 1769.818 1800 1.7713 176.2714 0.2041 -23.2486	1440	1.1528	165.9626	0.5646	-13.0582	5.0956	1439.907
1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.88 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.8 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.87 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.86 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.85 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.8 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.84 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.8 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.81 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.80 1800 1.7713 176.2714 0.2041 -23.2486 6.2506	1530 1.2464 169.5153 0.3659 -14.8513 5.4781 1529.888 1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.88 1590 1.2253 172.6073 0.456 -16.189 5.6961 1559.88 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1	1470	1.167	166.4892	0.0593	-13.648	5.2402	1469.901
1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.8 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.87 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.86 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.85 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.8 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.84 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.8 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.81 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.80 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.79 1860 1.7713 176.2714 0.2041 -23.2486 6.2506	1560 1.3534 170.4691 0.3637 -15.5215 5.5961 1559.88 1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7313 176.2714 0.2041 -23.2486 6.	1500	1.1367	169.6295	0.2334	-14.2378	5.3652	1499.895
1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.87 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.86 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.85 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.8 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.84 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.8 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.81 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.80 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.79 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.77 1890 1.8566 176.8145 0.29 -24.1965 6.3077	1590 1.2253 172.6073 0.456 -16.189 5.6961 1589.873 1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3	1530	1.2464	169.5153	0.3659	-14.8513	5.4781	1529.888
1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.86 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.85 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.8 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.84 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.8 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.81 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.80 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.79 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.77 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.76 1920 1.9112 178.1855 0.2359 -25.1817 6.3506	1620 1.1643 172.85 0.204 -16.8095 5.7753 1619.866 1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6	1560	1.3534	170.4691	0.3637	-15.5215	5.5961	1559.88
1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.85 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.8 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.84 1770 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.8 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.81 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.80 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.79 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.77 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.76 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.74 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 </td <td>1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 <t< td=""><td>1590</td><td>1.2253</td><td>172.6073</td><td>0.456</td><td>-16.189</td><td>5.6961</td><td>1589.873</td></t<></td>	1650 1.3197 174.7934 0.5366 -17.456 5.8445 1649.859 1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 <t< td=""><td>1590</td><td>1.2253</td><td>172.6073</td><td>0.456</td><td>-16.189</td><td>5.6961</td><td>1589.873</td></t<>	1590	1.2253	172.6073	0.456	-16.189	5.6961	1589.873
1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.8 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.84 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.8 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.81 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.80 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.79 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.77 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.76 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.74 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.72 1980 2.0597 175.5948 0.198 -27.268 6.5072 <td>1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 <td< td=""><td>1620</td><td>1.1643</td><td>172.85</td><td>0.204</td><td>-16.8095</td><td>5.7753</td><td>1619.866</td></td<></td>	1680 1.4519 174.2593 0.4429 -18.1782 5.9139 1679.85 1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 <td< td=""><td>1620</td><td>1.1643</td><td>172.85</td><td>0.204</td><td>-16.8095</td><td>5.7753</td><td>1619.866</td></td<>	1620	1.1643	172.85	0.204	-16.8095	5.7753	1619.866
1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.84 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.8 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.81 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.80 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.79 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.77 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.76 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.74 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.72 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.7 2010 2.0334 177.8087 0.2777 -28.3373 6.569 <td>1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 <td< td=""><td>1650</td><td>1.3197</td><td>174.7934</td><td>0.5366</td><td>-17.456</td><td>5.8445</td><td>1649.859</td></td<></td>	1710 1.4738 176.8919 0.2356 -18.9416 5.9728 1709.841 1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 <td< td=""><td>1650</td><td>1.3197</td><td>174.7934</td><td>0.5366</td><td>-17.456</td><td>5.8445</td><td>1649.859</td></td<>	1650	1.3197	174.7934	0.5366	-17.456	5.8445	1649.859
1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.8 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.81 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.80 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.79 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.77 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.76 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.74 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.72 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.7 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.69 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 <td>1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922</td> <td>1680</td> <td>1.4519</td> <td>174.2593</td> <td>0.4429</td> <td>-18.1782</td> <td>5.9139</td> <td>1679.85</td>	1740 1.5612 176.8267 0.2914 -19.7348 6.0164 1739.83 1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922	1680	1.4519	174.2593	0.4429	-18.1782	5.9139	1679.85
1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.81 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.80 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.79 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.77 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.76 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.74 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.72 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.7 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.69 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.67 2070 1.974 175.6249 0.1043 -30.4305 6.7923 <td>1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305</td> <td>1710</td> <td>1.4738</td> <td>176.8919</td> <td>0.2356</td> <td>-18.9416</td> <td>5.9728</td> <td>1709.841</td>	1770 1.5795 174.3569 0.2337 -20.5543 6.0797 1769.819 1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305	1710	1.4738	176.8919	0.2356	-18.9416	5.9728	1709.841
1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.80 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.79 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.77 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.76 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.74 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.72 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.7 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.69 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.67 2070 1.974 175.6249 0.1043 -30.4305 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912	1800 1.7709 177.848 0.7229 -21.429 6.1377 1799.806 1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6	1740	1.5612	176.8267	0.2914	-19.7348	6.0164	1739.83
1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.79 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.77 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.76 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.74 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.72 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.7 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.69 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.67 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.65 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912 <td>1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 <td< td=""><td>1770</td><td>1.5795</td><td>174.3569</td><td>0.2337</td><td>-20.5543</td><td>6.0797</td><td>1769.819</td></td<></td>	1830 1.7117 175.8204 0.2849 -22.3391 6.1878 1829.792 1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 <td< td=""><td>1770</td><td>1.5795</td><td>174.3569</td><td>0.2337</td><td>-20.5543</td><td>6.0797</td><td>1769.819</td></td<>	1770	1.5795	174.3569	0.2337	-20.5543	6.0797	1769.819
1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.77 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.76 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.74 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.72 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.7 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.69 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.67 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.65 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.61 2160 1.9788 170.3416 0.5079 -33.5779 7.069	1860 1.7713 176.2714 0.2041 -23.2486 6.2506 1859.778 1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2190 2.0616 170.2596 0.276 -34.6203 7	1800	1.7709	177.848	0.7229	-21.429	6.1377	1799.806
1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.76 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.74 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.72 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.7 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.69 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.67 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.65 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.61 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.59 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2250 2.0412 169.955 0.0769 -35.	1890 1.8566 176.8145 0.29 -24.1965 6.3077 1889.763 1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895	1830	1.7117	175.8204	0.2849	-22.3391	6.1878	1829.792
1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.74 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.72 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.7 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.69 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.67 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.65 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.61 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.59 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2250 2.0412 169.955 0.0769 -35.6782 7.4316	1920 1.9112 178.1855 0.2359 -25.1817 6.3506 1919.747 1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.599 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2250 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0414 169.932 0.0895	1860	1.7713	176.2714	0.2041	-23.2486	6.2506	1859.778
1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.72 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.7 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.69 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.67 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.65 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.61 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.59 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2250 2.0412 169.955 0.0769 -35.6782 7.4316 2219.56 2250 2.0144 169.932 0.0895 -36.7235 7.617	1950 2.0123 174.5858 0.5313 -26.2061 6.4161 1949.729 1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.599 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.6	1890	1.8566	176.8145	0.29	-24.1965	6.3077	1889.763
1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.7 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.69 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.67 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.65 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.61 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.59 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2250 2.0412 169.955 0.0769 -35.6782 7.4316 2219.56 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.54 2280 1.9366 170.4384 0.2658 -37.7425 7.7934	1980 2.0597 175.5948 0.198 -27.268 6.5072 1979.71 2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.599 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2310 1.8351 167.4535 0.4706 -38.7112 7.98	1920	1.9112	178.1855	0.2359	-25.1817	6.3506	1919.747
2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.69 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.67 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.65 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.61 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.59 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.56 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.54 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.52 2310 1.8351 167.4535 0.4706 -38.7112 7.9819	2010 2.0334 177.8087 0.2777 -28.3373 6.569 2009.691 2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.599 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962 8	1950	2.0123	174.5858	0.5313	-26.2061	6.4161	1949.729
2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.67 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.65 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.61 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.59 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.56 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.54 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.52 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.50 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 <td>2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.599 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.524 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962</td> <td>1980</td> <td>2.0597</td> <td>175.5948</td> <td>0.198</td> <td>-27.268</td> <td>6.5072</td> <td>1979.71</td>	2040 2.0035 175.9259 0.2424 -29.3922 6.6266 2039.673 2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.599 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.524 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962	1980	2.0597	175.5948	0.198	-27.268	6.5072	1979.71
2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.65 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.61 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.59 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.56 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.54 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.52 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.50 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.49 2400 1.6824 167.8749 0.5803 -40.4338 8.5799 2369.4 2430 1.6503 172.4382 0.455 -4	2070 1.974 175.6249 0.1043 -30.4305 6.7033 2069.655 2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.599 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.524 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.494 2400 1.6824 167.8749 0.5453 -41.286 8	2010	2.0334	177.8087	0.2777	-28.3373	6.569	2009.691
2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.63 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.61 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.59 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.56 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.54 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.52 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.50 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.49 2470 1.6803 162.3204 0.5803 -40.4338 8.5799 2369.4 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -	2100 1.973 174.4904 0.1303 -31.4597 6.7923 2099.637 2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.599 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.524 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.494 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.48 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.467 2430 1.6503 172.4382 0.455	2040	2.0035	175.9259	0.2424	-29.3922	6.6266	2039.673
2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.61 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.59 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.56 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.54 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.52 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.50 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.49 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.4 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.46 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -	2130 2.1061 172.6927 0.4923 -32.5205 6.912 2129.618 2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.599 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.524 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.494 2470 1.6824 167.8749 0.5803 -40.4338 8.5799 2369.48 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671	2070	1.974	175.6249	0.1043	-30.4305	6.7033	2069.655
2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.59 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.56 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.54 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.52 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.50 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.49 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.4 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.46 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -	2160 1.9788 170.3416 0.5079 -33.5779 7.069 2159.599 2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.524 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.494 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.48 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.467 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671	2100	1.973	174.4904	0.1303	-31.4597	6.7923	2099.637
2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.5 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.56 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.54 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.52 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.50 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.49 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.4 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.46 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2190 2.0616 170.2596 0.276 -34.6203 7.2472 2189.58 2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.524 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.494 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.48 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.467 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.442 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883	2130	2.1061	172.6927	0.4923	-32.5205		2129.618
2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.56 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.54 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.52 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.50 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.49 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.4 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.46 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2220 2.0412 169.955 0.0769 -35.6782 7.4316 2219.561 2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.524 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.494 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.48 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.467 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 <td>2160</td> <td>1.9788</td> <td>170.3416</td> <td>0.5079</td> <td></td> <td></td> <td>2159.599</td>	2160	1.9788	170.3416	0.5079			2159.599
2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.54 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.52 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.50 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.49 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.4 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.46 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2250 2.0144 169.932 0.0895 -36.7235 7.617 2249.542 2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.524 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.494 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.48 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.467 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2190	2.0616	170.2596				2189.58
2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.52 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.50 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.49 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.4 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.46 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2280 1.9366 170.4384 0.2658 -37.7425 7.7934 2279.524 2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.494 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.48 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.467 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2220	2.0412					2219.561
2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.50 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.49 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.4 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.46 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2310 1.8351 167.4535 0.4706 -38.7112 7.9819 2309.508 2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.494 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.48 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.467 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2250	2.0144	169.932				2249.542
2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.49 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.4 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.46 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2340 1.7314 156.6509 1.1707 -39.5962 8.2659 2339.494 2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.48 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.467 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2280	1.9366	170.4384				2279.524
2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.4 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.46 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2370 1.6903 162.3204 0.5803 -40.4338 8.5799 2369.48 2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.467 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2310	1.8351					2309.508
2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.46 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2400 1.6824 167.8749 0.5453 -41.286 8.8067 2399.467 2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2340	1.7314					2339.494
2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.45 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2430 1.6503 172.4382 0.455 -42.1448 8.9561 2429.455 2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2370	1.6903					2369.48
2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.44 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2460 1.7412 176.9752 0.5403 -43.0281 9.037 2459.441 2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2400						2399.467
2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.42	2490 1.8685 180.5631 0.5671 -43.9723 9.0562 2489.427 2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2430	1.6503	172.4382				2429.455
	2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.41 2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2460	1.7412					2459.441
2520 1.9734 182.0704 0.3883 -44.9776 9.0328 2519.4	2550 1.9942 185.5569 0.4082 -46.0133 8.9636 2549.392	2490						2489.427
		2520						2519.41
	2580 2.0189 187.4239 0.2329 -47.0569 8.8447 2579.373	2550						2549.392
2580 2.0189 187.4239 0.2329 -47.0569 8.8447 2579.37		2580	2.0189	187.4239	0.2329	-47.0569	8.8447	2579.373

2610	2.0047	187.2735	0.0507	-48.1014	8.71	2609.355
2640	2.0825	184.8249	0.3899	-49.165	8.5977	2639.336
2670	2.1043	186.0533	0.1663	-50.2559	8.4938	2669.316
2700	2.2661	190.7206	0.8012	-51.3864	8.3254	2699.294
2730	2.1713	192.9718	0.4291	-52.5229	8.0875	2729.272
2760	2.1866	194.1655	0.1596	-53.6316	7.8199	2759.25
2790	1.919	189.22	1.0688	-54.6824	7.5993	2789.231
2820	1.8342	188.164	0.3053	-55.6534	7.4507	2819.214
2850	1.8672	186.5727	0.2036	-56.6142	7.3265	2849.199
2880	1.915	184.0643	0.3185	-57.5997	7.2351	2879.182
2910	2.0241	183.3108	0.3739	-58.6286	7.1689	2909.165
2940	2.0928	182.4483	0.2511	-59.7048	7.1149	2939.145
2970	2.1263	180.8697	0.2236	-60.8086	7.0831	2969.125
3000	1.8986	167.8814	1.6943	-61.8509	7.179	2999.107
3030	1.8618	161.8786	0.6675	-62.8	7.4349	3029.091
3060	2.0093	160.9123	0.5037	-63.7601	7.7584	3059.074
3090	1.999	159.9284	0.1198	-64.7486	8.11	3089.055
3120	2.2797	164.4548	1.0915	-65.8149	8.4495	3119.034
3150	2.0128	157.8387	1.2126	-66.8777	8.8081	3149.013
3180	2.0492	157.6537	0.1233	-67.8617	9.2108	3178.994
3210	1.8555	140.0262	2.0935	-68.73	9.7267	3208.977
3240	1.8436	121.9466	1.9374	-69.3575	10.4482	3238.962
3270	1.9059	123.9423	0.3008	-69.8914	11.2716	3268.946
3300	2.122	126.6482	0.7868	-70.5015	12.1311	3298.927
3330	2.1669	127.6679	0.1963	-71.1796	13.0256	3328.906
3360	2.4347	127.9365	0.8935	-71.918	13.9772	3358.882
3390	2.5363	127.7469	0.3397	-72.7161	15.0046	3388.854 3418.824
3420	2.6092	130.5145	0.48	-73.566	16.0486	3418.792
3450	2.6816	130.5377	0.2413	-74.4658 -75.3916	17.1011 18.1503	3448.792
3480	2.666	132.3228	0.2824	-75.3916	19.1661	3508.726
3510	2.668	134.2693	0.302 0.6695	-70.3466 -77.3238	20.2186	3538.692
3540	2.816	131.4299 130.2662	0.0093	-77.3236 -78.3235	21.3756	3568.653
3570	3.0272	126.4266	0.7312	-78.3233	22.636	3598.61
3600	3.1155	125.381	0.7439	-80.2925	23.9804	3628.564
3630	3.2269	125.361	0.4183	-81.2863	25.3275	3658.517
3660	3.1718 3.3291	126.373	0.4302	-81.2803	26.6875	3688.469
3690	3.3514	123.2887	0.6036	-83.3057	28.1219	3718.418
3720 2750	3.532	123.2887	0.6529	-84.277	29.6383	3748.364
3750	3.5738	121.8535	0.0323	-85.2605	31.216	3778.306
3780 3810	3.4761	122.5403	0.3547	-86.2432	32.7769	3808.25
3840	3.6443	121.5196	0.5992	-87.2308	34.3564	3838.192
3870	3.8422	120.0286	0.7349	-88.2323	36.0394	3868.128
	4.0212	121.365	0.7343	-89.2828	37.8078	3898.057
3900 3930	4.0212	121.8105	0.6704	-90.4013	39.6265	3927.981
3960	4.1415	121.7307	0.4146	-90.4013	41.4964	3957.9
3990	4.4108	121.7307	0.4203	-91.3393 -92.7575	43.4242	3987.814
3330	4.4100	121,3030	0.4022	32.7373	15.7272	3307.1017

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4020	4.3194	122.9952	0.3974	-93.9839	45.3502	4017.727
4050	4.2501	124.2021	0.3791	-95.224	47.2171	4047.643
4080	4.1221	124.1486	0.4269	-96.4541	49.0288	4077.563
4110	3.9506	123.4366	0.5956	-97.6288	50.7836	4107.489
4140	3.9329	120.2537	0.7316	-98.7166	52.5347	4137.418
4170	3.9991	117.9784	0.5691	-99.7257	54.3472	4167.346
4200	3.9268	116.3248	0.4508	-100.672	56.1918	4197.274
4230	3.7874	115.3917	0.5098	-101.552	58.0076	4227.207
4260	3.8176	116.3176	0.2281	-102.42	59.7978	4257.14
4290	3.8583	116.9977	0.2035	-103.321	61.5924	4287.073
4320	3.824	115.7438	0.3024	-104.214	63.3928	4317.006
4350	3.6762	115.2699	0.5035	-105.059	65.1636	4346.941
4380	3.5453	114.9847	0.4404	-105.861	66.8741	4376.882
4410	3.4858	117.1518	0.4853	-106.669	68.5264	4406.826
4440	3.3019	117.0025	0.6137	-107.478	70.1077	4436.773
4470	3.2829	116.0676	0.1898	-108.247	71.6491	4466.723
4500	3.2081	115.6448	0.2619	-108.988	73.1774	4496.675
4530	3.0995	116.564	0.3993	-109.714	74.6596	4526.63
4560	2.9988	116.7923	0.3379	-110.431	76.0855	4556.587
4590	2.9584	116.4394	0.148	-111.129	77.4792	4586.547
4620	2.981	117.7168	0.2331	-111.837	78.863	4616.506
4650	2.7127	119.4745	0.9403	-112.549	80.1716	4646.469
4680	2.6763	120.8923	0.2532	-113.258	81.3906	4676.436
4710	2.6876	121.9307	0.1663	-113.989	82.5886	4706.403
4740	2.6628	123.4052	0.2439	-114.745	83.7673	4736.371
4770	2.6169	125.1245	0.305	-115.523	84.9092	4766.339
4800	2.6278	125.4315	0.0592	-116.315	86.0297	4796.308
4830	2.6506	126.3694	0.1629	-117.125	87.1486	4826.275
4860	2.7037	125.6633	0.2082	-117.949	88.282	4856.243
4890	2.76	124.582	0.2545	-118.772	89.4516	4886.209
4920	2.6904	124.9577	0.2394	-119.585	90.6233	4916.175
4950	2.6952	126.1318	0.1846	-120.404	91.77	4946.142
4980	2.6251	128.8008	0.4743	-121.251	92.8751	4976.109
5010	2.5327	128.9391	0.3089	-122.098	93.9261	5006.079
5040	2.3728	131.8844	0.6786	-122.929	94.904	5036.052
5070	2.2421	135.228	0.6251	-123.76	95.7796	5066.027
5100	2.1003	136.1094	0.4857	-124.573	96.574	5096.006
5130	2.0015	140.5237	0.6208	-125.374	97.2882	5125.986
5160	2.0393	145.9442	0.649	-126.22	97.9202	5155.968
5190	2.0576	148.503	0.3109	-127.122	98.5005	5185.949
5220	2.034	150.5535	0.2564	-128.044	99.0436	5215.93
5250	1.995	152.0189	0.2154	-128.969	99.5503	5245.911
5280	2.0461	155.4799	0.4408	-129.918	100.0176	5275.893 5305.873
5310	2.0563	154.4869	0.1233	-130.891	100.4717	
5340	2.1194	155.7703	0.2617	-131.882	100.9311	5335.853 5365.833
5370	2.129	158.5119	0.3402	-132.907	101.3629	5395.833
5400	2.1284	161.7994	0.407	-133.954	101.7411	3333.012

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5430	2.0813	165.5985	0.4908	-135.011	102.0506	5425.792
5460	2.2746	166.36	0.6514	-136.117	102.3264	5455.77
5490	2.274	165.4461	0.1209	-137.272	102.6164	5485.747
5520	2.4017	163.5445	0.498	-138.451	102.944	5515.722
5550	2.5723	164.6182	0.5893	-139.703	103.3006	5545.693
5580	2.7979	169.3053	1.0489	-141.071	103.6151	5575.66
5610	2.4743	171.381	1.1244	-142.431	103.848	5605.628
5640	2.6275	177.1124	0.9911	-143.758	103.9797	5635.599
5670	2.8249	177.8012	0.667	-145.184	104.0427	5665.565
5700	3.2225	183.0596	1.6147	-146.764	104.0261	5695.523
5730	2.8986	181.2098	1.1287	-148.365	103.965	5725.481
5760	2.6819	171.459	1.7364	-149.817	104.0533	5755.445
5790	2.4778	167.1118	0.942	-151.143	104.3021	5785.415
5820	2.3281	160.9473	0.995	-152.352	104.6457	5815.388
5850	2.212	160.2361	0.3981	-153.472	105.0404	5845.365
5880	1.9603	155.095	1.0447	-154.483	105.4522	5875.345
5910	1.9847	154.8141	0.0874	-155.418	105.8894	5905.327
5940	1.8164	154.5896	0.5614	-156.318	106.3145	5935.311
5970	1.7913	165.3725	1.1328	-157.201	106.6369	5965.295
6000	2.0555	171.1488	1.0913	-158.186	106.8381	5995.279
6030	1.9275	188.9969	2.1018	-159.216	106.842	6025.261
6060	1.8524	192.5126	0.4604	-160.188	106.658	6055.245
6090	1.9489	199.0059	0.7861	-161.143	106.3868	6085.228
6120	2.055	203.2683	0.6092	-162.12	106.0082	6115.21
6150	2.2649	204.0453	0.7065	-163.155	105.5542	6145.189
6180	2.2952	203.2298	0.1481	-164.249	105.0757	6175.165
6210	2.3761	205.7363	0.4342	-165.361	104.5687	6205.14
6240	2.5347	209.0221	0.7068	-166.501	103.9769	6235.112
6270	2.9075	211.245	1.2912	-167.732	103.2604	6265.079
6300	3.1906	211.4826	0.9447	-169.094	102.4297	6295.036
6330	3.7362	209.8761	1.8469	-170.654	101.5068	6324.981
6360	3.494	202.9176	1.6691	-172.343	100.6639	6354.921
6390	3.5878	191.8419	2.2978	-174.104	100.1153	6384.864
6420	3.8945	187.3634	1.4114	-176.033	99.7921	6414.801
6450	3.5837	184.1881	1.2444	-177.979	99.5931	6444.737
6480	3.7984	180.8895	1.0062	-179.907	99.5092	6474.674
6510	3.7052	178.8744	0.5382	-181.87	99.5128	6504.61
6540	3.5495	178.803	0.5192	-183.768	99.5512	6534.55
6570	3.262	178.0811	0.9689	-185.549	99.5992	6564.497
6600	3.1983	177.9844	0.2132	-187.238	99.6572	6594.449
6630	3.1464	176.8338	0.2738	-188.897	99.7321	6624.403
6660	3.115	177.1558	0.1198	-190.533	99.818	6654.359
6690	2.9446	176.9837	0.5688	-192.117	99.899	6684.317
6720	2.9351	176.5932	0.0739	-193.653	99.9852	6714.277
6750	2.8843	174.281	0.4263	-195.171	100.1061	6744.239
6780	2.4078	172.5882	1.6093	-196.546	100.2626	6774.207
6810	2.5307	175.9574	0.6338	-197.832	100.3906	6804.179

6840	2.9552	183.2923	1.8333	-199.265	100.3928	6834.145	
6870	2.389	176.9845	2.1238	-200.661	100.3813	6864.112	
6900	2.3712	167.3037	1.3398	-201.891	100.5506	6894.086	
6930	2.4079	167.5958	0.1288	-203.112	100.8224	6924.06	
6960	2.4414	166.2602	0.2191	-204.348	101.1095	6954.033	
6990	2.4974	165.0949	0.2507	-205.6	101.4294	6984.005	
7020	2.2243	168.2784	1.0095	-206.802	101.7158	7013.98	
7050	2.2232	171.3169	0.393	-207.947	101.9219	7043.957	
7080	2.3309	171.4094	0.3594	-209.126	102.1009	7073.934	
7110	2.1108	170.3523	0.7463	-210.274	102.2846	7103.911	
7140	2.0643	172.6236	0.3164	-211.354	102.4466	7133.891	
7170	2.1193	172.73	0.1837	-212.44	102.5861	7163.871	
7200	2.069	168.8266	0.504	-213.522	102.7613	7193.851	
7230	2.0491	159.5498	1.1118	-214.556	103.0536	7223.832	
7260	2.1803	160.2661	0.4461	-215.595	103.4337	7253.811	
7290	2.2128	160.4737	0.1115	-216.678	103.8199	7283.789	
7320	2.0958	162.003	0.4343	-217.746	104.183	7313.768	
7350	1.8188	152.7238	1.4002	-218.691	104.5707	7343.751	
7380	2.3153	166.4157	2.323	-219.703	104.9312	7373.731	
7410	2.3408	168.15	0.2497	-220.892	105.1993	7403.706	
7440	2.343	165.4961	0.3615	-222.085	105.4787	7433.681	
7470	2.4093	167.7882	0.3863	-223.295	105.7657	7463.655	
7500	1.9506	159.0025	1.8877	-224.388	106.082	7493.634	
7530	2.5421	169.486	2.3929	-225.519	106.3863		
7590				-228 N18	107 4/W	768 75	89

LOCATIONLINE1

Depth

all application No

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NO

NO

NO

NO